Section : **General Awareness**

Q.1 Which article of Indian constitution is related to duration of Panchayats?

Ans ✗ A. 243O

✗ B. 243K

✔ C. 243E

✗ D. 243A

Question ID : **54062617129**

Q.2 Which organism causes rust of wheat?

Ans ✗ A. Protozoa

✗ B. Virus

✔ C. Fungi

✗ D. Bacteria

Question ID : **54062617118**

Q.3 Which of the following pair of river – flow direction is correct?

I. Tapi – West
II. Narmada – East

Ans ✗ A. Only II

✗ B. Both I and II

✔ C. Only I

✗ D. Neither I nor II

Question ID : **54062617121**

Q.4 Which of the following metal deposits are found in Asia?

I. Manganese
II. Bauxite
III. Nickel

Ans ✗ A. I and III

✗ B. I and II

✗ C. II and III

✔ D. I, II and III

Question ID : **54062617120**

Q.5 Which of the following pair of sportsperson – sports is correct?

I. Rory McIlroy – Golf
II. Martina Hingis – Tennis

Ans ✔ A. Both I and II

✗ B. Only I

✗ C. Neither I nor II

✗ D. Only II

Question ID : **54062617131**

Q.6 In _____, Gandhiji organised a satyagraha to support peasants of Kheda district.

Ans ✗ A. 1919

✗ B. 1920

✗ C. 1921

✔ D. 1917

Question ID : **54062617122**

Q.7 Which of the following happens due to atmospheric refraction?

I. Twinkling of stars
II. Advanced sunrise and delayed sunset

Ans ✗ A. Only II

✗ B. Only I

✗ C. Neither I nor II

✔ D. Both I and II

Question ID : **54062617117**

Q.8 Which city hosted the 2018 commonwealth games?

Ans ✗ A. Canberra

✔ B. Gold Coast

✗ C. Melbourne

✗ D. Sydney

Question ID : **54062617130**

Q.9 Which organisation releases the World Economic Outlook report?

Ans ✓ A. IMF

✗ B. International Economic Association

✗ C. ADB

✗ D. World Bank

Question ID : **54062617126**

Q.10 Which of the following statement(s) regarding The Mohammedan Anglo Oriental college is/are correct?

I. It was founded by Sayyid Ahmed Khan.
II. It was established in 1875.

Ans ✗ A. Only II

✓ B. Both I and II

✗ C. Neither I nor II

✗ D. Only I

Question ID : **54062617124**

Q.11 Which of the following is a Sushira Vadya?

Ans ✗ A. Table

✗ B. Sitar

✗ C. Damru

✓ D. Flute

Question ID : **54062617112**

Q.12 In which harappan city was cotton grown?

Ans ✗ A. Kalibangan

✗ B. Rakhigadi

✗ C. Lothal

✓ D. Mehrgarh

Question ID : **54062617123**

Q.13 Which of the following pair of vadya – type is correct?

I. Tata – Wind
II. Avanddha – Stringed

Ans ✗ A. Both I and II

✓ B. Neither I nor II

✗ C. Only II

✗ D. Only I

Question ID : **54062617113**

Q.14 Which of the following regarding earthquake is correct?

I. P waves – Longitudinal
II. S waves – Transverse

Ans ✔ A. Both I and II

✘ B. Only II

✘ C. Neither I nor II

✘ D. Only I

Question ID : **54062617119**

Q.15 What is the ratio of the stock of money to the stock of high powered money in an economy called?

Ans ✔ A. Money multiplier

✘ B. Money credit

✘ C. Money exchange

✘ D. Money supply

Question ID : **54062617115**

Q.16 The second edition of the Khelo India Winter Games began at Gulmarg on _____ 2021.

Ans ✘ A. February 21

✘ B. February 5

✔ C. February 26

✘ D. January 30

Question ID : **54062617125**

Q.17 Reserve ratio can also be called _____.

Ans ✔ A. Cash Reserve Ratio

✘ B. Liquid Reserve Ratio

✘ C. Required Ratio

✘ D. Cash Ratio

Question ID : **54062617114**

Q.18 Which base is found in window cleaner?

Ans ✘ A. Potassium Hydroxide

✘ B. Sodium Hydroxide

✘ C. Calcium Hydroxide

✔ D. Ammonium Hydroxide

Question ID : **54062617116**

Q.19 Which of the following pair of article – contents of Indian constitution is correct?

I. 239 – Administration of Union territories
II. 241 – Special provisions with respect to Delhi

Ans ✔ A. Only I

✘ B. Both I and II

✘ C. Only II

✘ D. Neither I nor II

Question ID : **54062617128**

Q.20 The headquarters of International Labour Organisation are situated in _____.

Ans ✘ A. Paris

✔ B. Geneva

✘ C. Madrid

✘ D. New York

Question ID : **54062617127**

Section : **General Ability**

Q.1 Raman walks 25 metres in north. He turns right and walks 72 metres to reach point A. He again turns right and walks 16 metres. He finally turns left and walks 8 metres to reach point B. How far is point B from point A and in which direction is starting point from point B?

Ans ✘ A. $\sqrt{340}$ South-West

✘ B. $\sqrt{340}$ North-East

✔ C. $\sqrt{320}$ South-West

✘ D. $\sqrt{320}$ North-East

Question ID : **54062617147**

Q.2 Eight friends P, Q, R, S, T U, V and W are sitting around a circular table facing towards the centre (not necessarily in the same order). T is third to the left of V. V is to the immediate right of Q. Q is third to the left of P. W is second to the right of U. U is not the immediate neighbour of T. S is not the immediate neighbour of Q. Who is second to the right of P?

Ans ✔ A. S

✘ B. T

✘ C. V

✘ D. Q

Question ID : **54062617138**

Q.3 Ramesh is facing towards west direction. He walks 20 km and then rotates by 90 degrees in clockwise direction. He again rotates by 295 degrees in anticlockwise direction. In which direction is he facing now?

Ans
❌ A. East
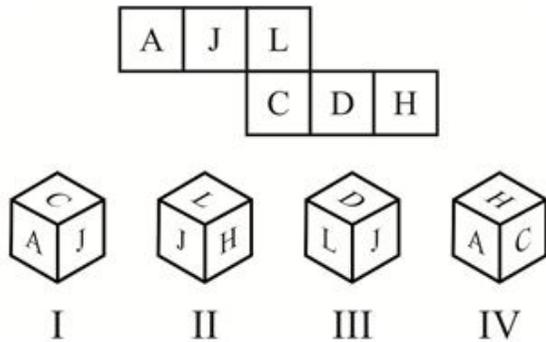
❌ B. South-east

❌ C. North-west

✅ D. North-east

Q.4 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

GRZ, KWV, OBR, SGN, ?

Ans
❌ A. WMJ

❌ B. XLJ

✅ C. WLJ

❌ D. XMJ

Q.5 By folding the given paper, which of the following cube cannot be made?

Ans
❌ A. I, II and III

❌ B. Only IV

✅ C. III and IV

❌ D. II and III

Q.6 In the following question, select the odd word from the given alternatives.

Ans
✅ A. Male

❌ B. Jacket

❌ C. Trouser

❌ D. Shirt

Q.7 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:
I. Some M are B.
II. No L is M.

Conclusions:
I. No L is B.
II. No M is L.

Ans ✗ A. Both conclusions I and II follows

✔ B. Only conclusion II follows

✗ C. Neither conclusion follows

✗ D. Only conclusion I follows

Question ID : **54062617141**

Q.8 6 teachers P, Q, R, S, T and U have to present lectures. Each teacher will present a lecture on one day from Monday to Saturday. Each teacher presents on different day. There are 3 male and 3 female teachers. Each male is married to one of the females. More than 2 people present between T and U. R presents on Friday but his wife does not presents on Monday. P presents on the next day of S. Two people present between P and U. P's wife presents on next day of P. Gender of T and U is same. Which of the following statement is NOT correct?

Ans ✗ A. S's wife presents on Monday

✗ B. Q is a female teacher and her husband presents on Wednesday

✔ C. Two lectures are presented between Q and S

✗ D. R and U are married couples

Question ID : **54062617140**

Q.9 In the following question, select the related letters from the given alternatives.

KOM : LPN :: TIP : ?

Ans ✔ A. UJQ

✗ B. VHQ

✗ C. UHQ

✗ D. VJQ

Question ID : **54062617135**

Q.10 In a certain code language, 'I think I can' is written as '6 8 6 4', 'We can think about' is written as '5 4 8 9'. What is the code for 'think, can' in that code language?

Ans ✗ A. 6 4

✗ B. 6 9

✔ C. 8 4

✗ D. 8 5

Question ID : **54062617137**

Q.11 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:
I. All honey are chair
II. No white is honey.

Conclusiosn:
I. Some chair are not white.
II. Some honey are not white.
III. Some chair are honey.

Ans
✗ A. Only conclusion I follows

✗ B. Both conclusions II and III follows

✔ C. All conclusion follows

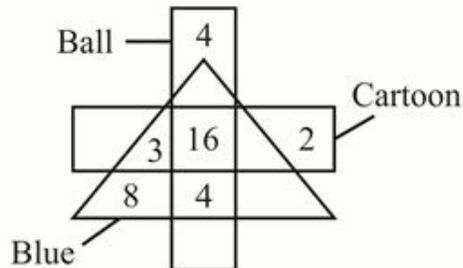✗ D. Both conclusions I and II follows

Question ID : **54062617142**

Q.12 In the following question, select the missing number from the given series.

8, 31, 123, ?, 1963

Ans
✔ A. 491

✗ B. 471

✗ C. 481

✗ D. 461

Question ID : **54062617143**

Q.13 Based on the given venn diagram, which of the following, statement(s) is/are NOT correct?

I. Number of ball which are not blue, are 4.
II. Total number of cartoon are 23.

Ans
✗ A. Both I and II

✗ B. Neither I nor II

✔ C. Only II

✗ D. Only I

Question ID : **54062617146**

Q.14 Two figures given on the left side of (::) are related with some logic/rule/relation. Select the missing figure on the right of (::) from the given alternatives based on the same logic/rule/relation.

Ans ✗ A.

✗ B.

✔ C.

✗ D.

Q.15 In the following question, a group of letters is given. The letters of each group are related with the letters of the same group by some Logic/Rule/Relation. From the given alternatives, select a group of letters which follows the same Logic/Rule/Relation.

(TOPX, ZVXG, FCFP)

Ans ✗ A. (LPCR, RWKZ, XDSI)

✗ B. (TGPA, ZNXJ, EUFS)

✗ C. (AJNP, GQVY, MXEH)

✔ D. (KQRN, QXZW, WEHF)

Q.16 By Interchanging the given two numbers which of the following equation will be incorrect?

5 and 2

Ans ✔ A. $5 + 2 \times 6 \div 4 - 1 = 7$

✗ B. $8 + 6 \times 2 \div 5 - 4 = 19$

✗ C. $2 + 8 \times 7 \div 4 - 5 = 17$

✗ D. $6 + 8 \times 2 \div 4 - 5 = 14$

Q.17 Height of six cups H, R, S, T, V and X is compared. Height of X is more than at least two cups. Height of V is more than X but less than S. Height of R is more than H. If the height of T is maximum, then which of the following sequence can be correct?

I. R < X < V
II. H < R = X
III. R < X < S

Ans ✔ A. I, II and III

✗ B. Only II

✗ C. Both II and III

✗ D. Only III

Q.18 How many bikes are scooters?

Ans   ✗ A. 17

      ✔ B. 18

      ✗ C. 19

      ✗ D. 16

Question ID : **54062617145**

Q.19 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

TONY, WTGP, ZYZG, ?, FILO

Ans   ✔ A. CDSX

      ✗ B. CESY

      ✗ C. CESX

      ✗ D. CDSY

Question ID : **54062617133**

Q.20 By folding the given paper, which of the following cube cannot be made?

Ans   ✔ A. III and IV

      ✗ B. II, III and IV

      ✗ C. I and II

      ✗ D. I, II, III and IV

Question ID : **54062617151**

Section : **Arithmetic Ability**

Q.1

Ans   ✗ A. 29

      ✔ B. 40

      ✗ C. 69

      ✗ D. 20

Question ID : **54062617170**

Q.2

Ans   ✗ A. 3

      ✗ B. 0.03

      ✗ C. 0.003

      ✔ D. 0.3

Question ID : **54062617152**

Q.3 **Which of the following statement is correct?**

I. A boat travels 84 km downstream and 42 km upstream. If speed of boat and speed of stream are 6 km/hr and 2 km/hr respectively, then total time taken is 20 hours.
II. Length of a platform is 1200 meters. If a 600 meter long train can cross it in 30 seconds, then speed of train is 54 km/hr.

Ans ✗ A. Both I and II

✗ B. Only II

✔ C. Neither I nor II

✗ D. Only I

Question ID : **54062617165**

Q.4

Ans ✗ A. 51

✗ B. 26

✗ C. 78

✔ D. 72

Question ID : **54062617155**

Q.5 **What is the value of 15 × 15 × 15 + 64 + 3 × 60 × 19?**

Ans ✗ A. 6869

✗ B. 6879

✔ C. 6859

✗ D. 6779

Question ID : **54062617154**

Q.6 **The line chart given below shows the birth rate (per thousand persons) and death rate (per thousand persons) of countries P, Q, R and S in the year 2018.**

Which of the following statement(s) is/are correct?
I. Birth rate of country Q is 9.2 percent more than country R.
II. Birth rate of country R is 11.76 percent more than the birthrate of country S.
III. Birth rate of country Q is 32 percent more than the birth rate of country S.

Ans ✗ A. Only II

✗ B. Both I and III

✗ C. Only I

✔ D. Both I and II

Question ID : **54062617171**

Q.7 Cost price and selling price of an article are in ratio of 11 : 16. If cost price is increased by 20 percent and selling price is increased by 20 percent, then what is the new profit percentage?

Ans   ✗ A. 61.86

     ✔ B. 45.45

     ✗ C. 52.24

     ✗ D. 37.43

Question ID : **54062617160**

Q.8 If the difference between the two numbers is 75 percent of their sum, then what is the ratio of larger number and smaller number?

Ans   ✗ A. 5 : 2

     ✔ B. 7 : 1

     ✗ C. 7 : 2

     ✗ D. 7 : 3

Question ID : **54062617159**

Q.9 Perimeter of a rectangle is 110 cm and difference between length and breadth is 5 cm. If area of the rectangle is equal to the area of an equilateral triangle, then what will be the side of equilateral triangle?

Ans   ✔ A.

     ✗ B.

     ✗ C.

     ✗ D.

Question ID : **54062617167**

Q.10 The table given below shows the price (in lakh) of six cars C1, C2, C3, C4, C5 and C6 in three different cities X, Y and Z.

Which of the following statement(s) is/are correct?
I. The ratio of price of C1 in city X to the price of C4 in city Z is 6 : 7 respectively.
II. The ratio of price of C1 in the city X to the price of C4 in city Z is 7 : 6 respectively.
III. Price of C5 is 5 percent more in city Y than the price in city X.

Ans   ✗ A. All are correct

     ✗ B. Only III

     ✗ C. Only I

     ✔ D. Both II and III

Question ID : **54062617169**

Q.11 If $x : y = y : z$, then what is the value of $x^4 : y^4$?

Ans   ✗   A. $y^6 : x^6$

       ✔   B. $x^2 : z^2$

       ✗   C. $y^2 : x^2$

       ✗   D. $x^3 : z^3$

Question ID : **54062617161**

Q.12 The Highest Common Factor of two numbers is (2/5)th of their Least Common Multiple. If the product of two numbers is 1690, then what is their Highest Common Factor?

Ans   ✗   A. 65

       ✗   B. 35

       ✗   C. 53

       ✔   D. 26

Question ID : **54062617156**

Q.13 Six times of the volume of a sphere is 29106 cm³. What will be the ten times of the radius of the sphere?

Ans   ✗   A. 55 cm

       ✔   B. 105 cm

       ✗   C. 140 cm

       ✗   D. 70 cm

Question ID : **54062617168**

Q.14

Ans   ✗   A. 20 : 11

       ✗   B. 18 : 1

       ✔   C. 17 : 1

       ✗   D. 15 : 2

Question ID : **54062617162**

Q.15 If P = 9A and Q = 7A, then P is how much percent more than Q?

Ans   ✗   A. 33.33

       ✔   B. 28.56

       ✗   C. 22.22

       ✗   D. 40

Question ID : **54062617158**

Q.16 If 42a + 42b = 672, then what is the average of a and b?

Ans ✔️ A. 8

❌ B. 9

❌ C. 6

❌ D. 7

Question ID : **54062617157**

Q.17

Ans ❌ A.

✔️ B.

❌ C.

❌ D.

Question ID : **54062617153**

Q.18 10 men can do a work in 15 days working 4 hours a day. If after 5 days, 4 men leave the work, then remaining work can be done in how many days?

Ans ✔️ A. 50/3

❌ B. 20

❌ C. 53/3

❌ D. 18

Question ID : **54062617166**

Q.19 The simple interest received on a certain sum is Rs. 1280 for 4 years. What will be the simple interest on the same at the same rate of interest for 10 years?

Ans ❌ A. Rs. 3100

❌ B. Rs. 3600

❌ C. Rs. 3230

✔️ D. Rs. 3200

Question ID : **54062617163**

Q.20 A bus covers a distance of 30 km in 36 minutes. If its speed is decreased by 10 km/hr, then what will be the time taken by it to cover the same distance?

Ans ✔️ A. 45 minutes

❌ B. 60 minutes

❌ C. 75 minutes

❌ D. 30 minutes

Question ID : **54062617164**

Section : **General Hindi**

Q.1 निम्नलिखित शब्द का पर्यायवाची नहीं हैं, ज्ञात कीजिए।

कमल

Ans ✔️ A. द्रुम

❌ B. शतदल

❌ C. राजीव

❌ D. पंकज

Q.2 दिए गए वाक्य की वृत्ति ज्ञात कीजिए।

आज स्कूल समय पर आना ही होगा।

Ans ❌ A. निश्चियार्थक वृत्ति

✔️ B. बाध्यता सूचक वृत्ति

❌ C. संदेहार्थक वृत्ति

❌ D. संकेतार्थक वृत्ति

Q.3 दिए गए वाक्यांश के लिए उचित शब्द का चयन कीजिए।

आमों का बगीचा।

Ans ✔️ A. अमराई

❌ B. आमरस

❌ C. आमरा

❌ D. आमर

Q.4 दिए गए शब्दों में शुद्ध वर्तनी का चयन कीजिए।

Ans ❌ A. समूहीक

❌ B. सामुहीक

❌ C. समूहिक

✔️ D. सामूहिक

Q.5 निम्नलिखित वाक्यों में से शुद्ध वाक्य का चयन कीजिए।

Ans ❌ A. किसी ओर दूसरे से वह काम करा लीजीये।

❌ B. किसी और दूसरे से यह काम करा लीजिये।

❌ C. किसी दूसरे को बुलाइए और उससे यह काम करा लीजिये।

✔️ D. किसी दूसरे से यह काम करवा लीजिये।

Q.6 निम्नलिखित प्रश्न में, दिए गए चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए मुहावरे के अर्थ को सर्वश्रेष्ठ रूप से व्यक्त करता है।

उड़ती चिड़िया पहचानना

Ans ✗ A. तुच्छ समझना

✗ B. छुपी हुई प्रतिभा

✗ C. निश्चिंत होना

✔ D. मन की बात जानना

Question ID : **54062617185**

Q.7 दिए गए वाक्य में उपयुक्त विराम चिह्न का चयन कीजिए।

अगले सप्ताह तुम किस दिन जाओगे

Ans ✗ A. विस्मयादिबोधक

✗ B. उपविराम

✔ C. प्रश्नवाचक

✗ D. अर्द्धविराम

Question ID : **54062617184**

Q.8 दिए गए वाक्य में उपयुक्त विराम चिह्न का चयन कीजिए।

राम ने एक चॉकलेट के छोटे छोटे टुकड़े कर दिए।

Ans ✗ A. :-

✗ B. ०

✔ C. –

✗ D. ;

Question ID : **54062617183**

Q.9 दिए गए वाक्य में से मध्यम पुरूष सर्वनाम ज्ञात किजिए।

तुम्हें दूसरी कक्षा में बुलाया गया हैं।

Ans ✗ A. में

✗ B. गया

✔ C. तुम्हें

✗ D. दूसरी कक्षा

Question ID : **54062617172**

Q.10 दिया गया वाक्य किस पुरूष का उदाहरण है, ज्ञात कीजिए।

अंकित सदैव सच बोलता है।

Ans ✗ A. मध्यम

✗ B. उत्तम

✔ C. अन्य पुरूष

✗ D. प्रथम

Question ID : **54062617180**

Q.11 निम्नलिखित प्रश्न में, दिए गए चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए मुहावरे के अर्थ को सर्वश्रेष्ठ रूप से व्यक्त करता है।

एक पंथ दो काज

Ans ✗ A. कठिनाइयों का ज्ञान होना

✗ B. काम निकालना

✔ C. एक कार्य के साथ दूसरा कार्य भी पूरा करना

✗ D. असंभव कार्य करना

Question ID : **54062617186**

Q.12 दिए गए शब्द का विलोम शब्द ज्ञात कीजिए।

अग्रज

Ans ✗ A. ससीम

✗ B. अनघ

✗ C. कग्रज

✔ D. अनुज

Question ID : **54062617175**

Q.13 दिए गए शब्दों का सही तत्सम-तद्भव ज्ञात कीजिए।

Ans ✗ A. उलूखल-उल्लू

✗ B. कदा-कौन

✗ C. कर्कटक-ककड़ी

✔ D. उपवेष्टन-ओढ़ना

Question ID : **54062617174**

Q.14 निम्नलिखित वाक्यों में से सरल वाक्य ज्ञात कीजिए।

Ans ✗ A. आप बुलाएँगे तो वह आ जाएगा।

✔ B. आपके बुलाने पर वह आ जाएगा।

✗ C. आपने बुलाया इसलिए वह आ गया।

✗ D. जब आप बुलाएँगे तब वह आ जाएगा।

Question ID : **54062617182**

Q.15 व्यक्ति, स्थान या वस्तुविशेष का बोध करने वाले शब्दों को क्या कहते हैं?

Ans   ✗ A. जातिवाचक संज्ञा

      ✗ B. द्रव्यवाचक संज्ञा

      ✗ C. समूहवाचक संज्ञा

      ✓ D. व्यक्तिवाचक संज्ञा

Question ID : **54062617173**

Comprehension:

एक गद्यांश दिया गया है। गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रश्नों के सही विकल्प चुने।

पंडित जवाहर लाल नेहरू का जन्म 14 नवंबर 1889 को इलाहबाद में हुआ था। उनके जन्मदिन को बाल दिवस के रूप में मनाया जाता है। नेहरू जी को बच्चों से बड़ा स्नेह था और वे बच्चों को देश का भावी निर्माता मानते थे। बच्चों के प्रति उनके इस स्नेह भाव के कारण बच्चे भी उनसे बेहद लगाव व प्रेम रखते थे और उन्हें 'चाचा नेहरू' कहकर पुकारते थे। यही कारण है कि नेहरू जी के जन्मदिन को बाल दिवस के रूप में मनाया जाता है। इसे नेहरू जयंती कहें या फिर बाल दिवस, यह दिन पूर्णत: बच्चों के लिए समर्पित है। इस दिन विशेष रूप से बच्चों के लिए कार्यक्रम एवं खेल-कूद से जुड़े आयोजन होते हैं। बच्चे देश का भविष्य हैं, वे ऐसे बीज के समान हैं जिन्हें दिया गया पोषण उनके विकास और गुणवत्ता निर्धारित करेगा। यही कारण है कि इस दिन बच्चों से जुड़े विभिन्न मुद्दों जैसे शिक्षा, संस्कार, उनकी सेहत, मानसिक और शारीरिक विकास हेतु जरूरी विषयों पर विचार विमर्श किया जाता है। कई स्कूलों व संस्थानों में बाल-मेला एवं प्रतियोगिताएं भी आयोजित की जाती हैं, ताकि बच्चों की क्षमता और प्रतिभा को और बढ़ावा मिले। इस दिन विशेष रूप से गरीब बच्चों को मूलभूत सुविधाएं मुहैया कराने एवं बाल श्रम एवं बाल शोषण जैसे गंभीर मुद्दों पर भी विचार विमर्श किया जाता है। उनका आज, देश के आने वाले कल के लिए बेहद महत्वपूर्ण है। बच्चों को सही शिक्षा, पोषण, संस्कार मिले यह देशहित के लिए बेहद अहम है, क्योंकि आज के बच्चे ही कल का भविष्य हैं।

SubQuestion No : 16

Q.16 बच्चे उन्हें क्या कहकर पुकारते थे?

Ans   ✗ A. बापू जी

      ✗ B. शिष्य

      ✗ C. नेहरु जी

      ✓ D. चाचा

Question ID : **54062617190**

Comprehension:

एक गद्यांश दिया गया है। गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रश्नों के सही विकल्प चुने।

पंडित जवाहर लाल नेहरू का जन्म 14 नवंबर 1889 को इलाहबाद में हुआ था। उनके जन्मदिन को बाल दिवस के रूप में मनाया जाता है। नेहरू जी को बच्चों से बड़ा स्नेह था और वे बच्चों को देश का भावी निर्माता मानते थे। बच्चों के प्रति उनके इस स्नेह भाव के कारण बच्चे भी उनसे बेहद लगाव व प्रेम रखते थे और उन्हें 'चाचा नेहरू' कहकर पुकारते थे। यही कारण है कि नेहरू जी के जन्मदिन को बाल दिवस के रूप में मनाया जाता है। इसे नेहरू जयंती कहें या फिर बाल दिवस, यह दिन पूर्णत: बच्चों के लिए समर्पित है। इस दिन विशेष रूप से बच्चों के लिए कार्यक्रम एवं खेल-कूद से जूड़े आयोजन होते हैं। बच्चे देश का भविष्य हैं, वे ऐसे बीज के समान हैं जिन्हें दिया गया पोषण उनके विकास और गुणवत्ता निर्धारित करेगा। यही कारण है कि इस दिन बच्चों से जुड़े विभिन्न मुद्दों जैसे शिक्षा, संस्कार, उनकी सेहत, मानसिक और शारीरिक विकास हेतु जरूरी विषयों पर विचार विमर्श किया जाता है। कई स्कूलों व संस्थानों में बाल-मेला एवं प्रतियोगिताएं भी आयोजित की जाती हैं, ताकि बच्चों की क्षमता और प्रतिभा को और बढ़ावा मिले। इस दिन विशेष रूप से गरीब बच्चों को मूलभूत सुविधाएं मुहैया कराने एवं बाल श्रम एवं बाल शोषण जैसे गंभीर मुद्दों पर भी विचार विमर्श किया जाता है। उनका आज, देश के आने वाले कल के लिए बेहद महत्वपूर्ण है। बच्चों को सही शिक्षा, पोषण, संस्कार मिले यह देशहित के लिए बेहद अहम है, क्योंकि आज के बच्चे ही कल का भविष्य हैं।

SubQuestion No : 17

Q.17 पंडित जवाहर लाल नेहरु का जन्म कब हुआ था?

Ans ✗ A. 2 नवम्बर 1989

✓ B. 14 नवम्बर 1889

✗ C. 13 नवम्बर 1999

✗ D. 24 नवम्बर 1889

Question ID : **54062617188**

Comprehension:

एक गद्यांश दिया गया है। गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रश्नों के सही विकल्प चुने।

पंडित जवाहर लाल नेहरू का जन्म 14 नवंबर 1889 को इलाहबाद में हुआ था। उनके जन्मदिन को बाल दिवस के रूप में मनाया जाता है। नेहरू जी को बच्चों से बड़ा स्नेह था और वे बच्चों को देश का भावी निर्माता मानते थे। बच्चों के प्रति उनके इस स्नेह भाव के कारण बच्चे भी उनसे बेहद लगाव व प्रेम रखते थे और उन्हें 'चाचा नेहरू' कहकर पुकारते थे। यही कारण है कि नेहरू जी के जन्मदिन को बाल दिवस के रूप में मनाया जाता है। इसे नेहरू जयंती कहें या फिर बाल दिवस, यह दिन पूर्णत: बच्चों के लिए समर्पित है। इस दिन विशेष रूप से बच्चों के लिए कार्यक्रम एवं खेल-कूद से जूड़े आयोजन होते हैं। बच्चे देश का भविष्य हैं, वे ऐसे बीज के समान हैं जिन्हें दिया गया पोषण उनके विकास और गुणवत्ता निर्धारित करेगा। यही कारण है कि इस दिन बच्चों से जुड़े विभिन्न मुद्दों जैसे शिक्षा, संस्कार, उनकी सेहत, मानसिक और शारीरिक विकास हेतु जरूरी विषयों पर विचार विमर्श किया जाता है। कई स्कूलों व संस्थानों में बाल-मेला एवं प्रतियोगिताएं भी आयोजित की जाती हैं, ताकि बच्चों की क्षमता और प्रतिभा को और बढ़ावा मिले। इस दिन विशेष रूप से गरीब बच्चों को मूलभूत सुविधाएं मुहैया कराने एवं बाल श्रम एवं बाल शोषण जैसे गंभीर मुद्दों पर भी विचार विमर्श किया जाता है। उनका आज, देश के आने वाले कल के लिए बेहद महत्वपूर्ण है। बच्चों को सही शिक्षा, पोषण, संस्कार मिले यह देशहित के लिए बेहद अहम है, क्योंकि आज के बच्चे ही कल का भविष्य हैं।

SubQuestion No : 18

Q.18 जवाहर लाल नेहरु का जन्म दिवस ओर किस रूप में मनाया जाता है?

Ans ✗ A. योग दिवस

✗ B. बाल शोषण दिवस

✓ C. बाल दिवस

✗ D. शिक्षा दिवस

Question ID : **54062617189**

Comprehension:

एक गद्यांश दिया गया है। गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रश्नों के सही विकल्प चुने।

पंडित जवाहर लाल नेहरू का जन्म 14 नवंबर 1889 को इलाहबाद में हुआ था। उनके जन्मदिन को बाल दिवस के रूप में मनाया जाता है। नेहरू जी को बच्चों से बड़ा स्नेह था और वे बच्चों को देश का भावी निर्माता मानते थे। बच्चों के प्रति उनके इस स्नेह भाव के कारण बच्चे भी उनसे बेहद लगाव व प्रेम रखते थे और उन्हें 'चाचा नेहरू' कहकर पुकारते थे। यही कारण है कि नेहरू जी के जन्मदिन को बाल दिवस के रूप में मनाया जाता है। इसे नेहरू जयंती कहें या फिर बाल दिवस, यह दिन पूर्णत: बच्चों के लिए समर्पित है। इस दिन विशेष रूप से बच्चों के लिए कार्यक्रम एवं खेल-कूद से जूड़े आयोजन होते हैं। बच्चे देश का भविष्य हैं, वे ऐसे बीज के समान हैं जिन्हें दिया गया पोषण उनके विकास और गुणवत्ता निर्धारित करेगा। यही कारण है कि इस दिन बच्चों से जुड़े विभिन्न मुद्दों जैसे शिक्षा, संस्कार, उनकी सेहत, मानसिक और शारीरिक विकास हेतु जरूरी विषयों पर विचार विमर्श किया जाता है। कई स्कूलों व संस्थानों में बाल-मेला एवं प्रतियोगिताएं भी आयोजित की जाती हैं, ताकि बच्चों की क्षमता और प्रतिभा को और बढ़ावा मिले। इस दिन विशेष रूप से गरीब बच्चों को मूलभूत सुविधाएं मुहैया कराने एवं बाल श्रम एवं बाल शोषण जैसे गंभीर मुद्दों पर भी विचार विमर्श किया जाता है। उनका आज, देश के आने वाले कल के लिए बेहद महत्वपूर्ण है। बच्चों को सही शिक्षा, पोषण, संस्कार मिले यह देशहित के लिए बेहद अहम है, क्योंकि आज के बच्चे ही कल का भविष्य हैं।

SubQuestion No : 19

Q.19 दिए गए गद्यांश का उपयुक्त शीर्षक क्या होगा?

Ans ✗ A. बच्चों की क्षमता और प्रतिभा

✗ B. बच्चों की शिक्षा

✗ C. संस्कार

✓ D. बाल दिवस

Question ID : **54062617192**

Comprehension:

एक गद्यांश दिया गया है। गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रश्नों के सही विकल्प चुने।

पंडित जवाहर लाल नेहरू का जन्म 14 नवंबर 1889 को इलाहबाद में हुआ था। उनके जन्मदिन को बाल दिवस के रूप में मनाया जाता है। नेहरू जी को बच्चों से बड़ा स्नेह था और वे बच्चों को देश का भावी निर्माता मानते थे। बच्चों के प्रति उनके इस स्नेह भाव के कारण बच्चे भी उनसे बेहद लगाव व प्रेम रखते थे और उन्हें 'चाचा नेहरू' कहकर पुकारते थे। यही कारण है कि नेहरू जी के जन्मदिन को बाल दिवस के रूप में मनाया जाता है। इसे नेहरू जयंती कहें या फिर बाल दिवस, यह दिन पूर्णत: बच्चों के लिए समर्पित है। इस दिन विशेष रूप से बच्चों के लिए कार्यक्रम एवं खेल-कूद से जूड़े आयोजन होते हैं। बच्चे देश का भविष्य हैं, वे ऐसे बीज के समान हैं जिन्हें दिया गया पोषण उनके विकास और गुणवत्ता निर्धारित करेगा। यही कारण है कि इस दिन बच्चों से जुड़े विभिन्न मुद्दों जैसे शिक्षा, संस्कार, उनकी सेहत, मानसिक और शारीरिक विकास हेतु जरूरी विषयों पर विचार विमर्श किया जाता है। कई स्कूलों व संस्थानों में बाल-मेला एवं प्रतियोगिताएं भी आयोजित की जाती हैं, ताकि बच्चों की क्षमता और प्रतिभा को और बढ़ावा मिले। इस दिन विशेष रूप से गरीब बच्चों को मूलभूत सुविधाएं मुहैया कराने एवं बाल श्रम एवं बाल शोषण जैसे गंभीर मुद्दों पर भी विचार विमर्श किया जाता है। उनका आज, देश के आने वाले कल के लिए बेहद महत्वपूर्ण है। बच्चों को सही शिक्षा, पोषण, संस्कार मिले यह देशहित के लिए बेहद अहम है, क्योंकि आज के बच्चे ही कल का भविष्य हैं।

SubQuestion No : 20

Q.20 यह दिन किसके लिए समर्पित हैं?

Ans ✗ A. सामाजिक न्याय के लिए

✗ B. शिक्षक के लिए

✓ C. बच्चों के लिए

✗ D. बड़ो के लिए

Question ID : **54062617191**

Section : **General English**

Q.1 Rearrange the parts of the sentence in correct order.

Among the diseases of the coffee shrub
P: are leaf rust caused by the fungus Hemileia vastatrix, which
Q: which also attacks the Arabica
R: does considerable damage in the plantations of Arabica,
S: and the coffee berry disease caused by the fungus Colletotrichum coffeanum,

Ans ✔ A. PRSQ

✗ B. RQPS

✗ C. RQSP

✗ D. RPQS

Q.2 Choose the word that means the same as the given word.

Enthusiasm

Ans ✗ A. Emend

✔ B. Passion

✗ C. Entertain

✗ D. Gainsay

Q.3 Choose the word that can substitute the given sentence.

Killing of a god

Ans ✗ A. Regicide

✗ B. Sororicide

✗ C. Matricide

✔ D. Deicide

Q.4 A sentence has been given with a blank to be filled with an appropriate word/words. Choose the correct alternative.

Neither her parents _____ her husband wants to meet her.

Ans ✗ A. or

✗ B. and

✔ C. nor

✗ D. not

Q.5 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

The profession you choose depends upon your <u>interest field</u>.

Ans ✗ A. No Improvement

✗ B. field off interest

✗ C. field of interesting

✔ D. interest area

Question ID : **54062617196**

Q.6 In the given question, four words are given out of which one word is correctly spelt. Choose the correctly spelt word.

Ans ✗ A. Rasponsive

✗ B. Responseve

✔ C. Responsive

✗ D. Reasponsive

Question ID : **54062617203**

Q.7 A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.

Inspite of, the great efforts she failed to _____ her exam.

Ans ✔ A. pass

✗ B. create

✗ C. make

✗ D. move

Question ID : **54062617197**

Q.8 Rearrange the parts of the sentence in the correct order.

P: woman who often spoke about the power of
Q: womanhood and the need for female solidarity
R: female readers liked the Wonder Woman
S: series because it presented a strong and confident

Ans ✗ A. QRPS

✔ B. RSPQ

✗ C. PSRQ

✗ D. QRSP

Question ID : **54062617200**

Q.9 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

She got fed up (1)/ of the awful behavior (2)/ of her cousins. (3)/ No error (4)

Ans ✘ A. No error

✘ B. of her cousins.

✔ C. of the awful behavior

✘ D. She got fed up

Question ID : **54062617193**

Q.10 Choose the word that is opposite in meaning to the given word.

Anomaly

Ans ✘ A. Character

✔ B. Norm

✘ C. Paradigm

✘ D. Paradox

Question ID : **54062617202**

Q.11 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

To break the ice

Ans ✘ A. The last option

✘ B. To make an end

✘ C. To unfreeze something

✔ D. To overcome reserve

Question ID : **54062617205**

Q.12 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

To kick up one's heels

Ans ✔ A. To enjoy oneself

✘ B. To restrain someone

✘ C. To die suddenly

✘ D. To win a competition

Question ID : **54062617206**

Q.13 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Women in India are much more (1)/ educated and are also at par of (2)/ the men in almost all fields. (3)/ No error (4)

Ans ✗ A. the men in almost all fields.

✗ B. Women in India are much more

✓ C. educated and are also at par of

✗ D. No error

Question ID : **54062617194**

Q.14 In the given question, four words are given out of which one word is incorrectly spelt. Choose the incorrectly spelt word.

Ans ✗ A. Technology

✗ B. Modulation

✓ C. Brethless

✗ D. Economics

Question ID : **54062617204**

Q.15 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Isn't it time <u>when</u> you focus on your studies?

Ans ✗ A. which

✗ B. then

✗ C. No Improvement

✓ D. that

Question ID : **54062617195**

Comprehension:

Read the following information carefully and answer the given questions.

Initiatives such as "4 per mille" and Terraton aim to sequester huge amounts of carbon in the soil. The 2018 U.S. Farm Bill includes the first-ever incentives for farmers to adopt practices aimed at improving soil health and sequestering carbon. But these initiatives are missing a key point: not all soil carbon is the same.

The very different lifetimes of particulate organic matter and mineral-associated organic matter have important implications for these efforts. For example, adding low-quality crop residues to agricultural fields would likely create more particulate organic matter than mineral-associated organic matter. This could increase soil carbon in the short term – but if that field later is disturbed by tilling, a lot of it would decompose and the benefit would be quickly reversed. The best practices focus on building up the mineral-associated organic matter for longer-term carbon storage, while also producing high-quality particulate organic matter with lots of nitrogen to help boost crop productivity.

Natural healthy soils show us that providing continuous and diverse plant inputs that reach all the way to deep soil is key for achieving both high mineral-associated organic matter storage and particulate organic matter recycling. There are many promising ways to do this, such as maintaining plant cover on fields year-round; growing diverse crops that include high-nitrogen legumes and perennials with deep roots; and minimizing tillage.

However, not all soils can accumulate both mineral-associated organic matter and particulate organic matter. Before implementing any management practices for carbon sequestration, participants should first assess the carbon storage potential of the local soil, much as a doctor studies a patient before prescribing a cure. Sequestering soil carbon effectively requires an understanding of how particulate organic matter and mineral-associated organic matter work, how human actions affect them, and how to build up both types to meet our planet's climate and food security needs.

SubQuestion No : 16

Q.16 What is the central idea of the given passage?

Ans ✗ A. To know the importance of sequestering soil carbon.

✗ B. The best practices to enhance the quality of soil.

✔ C. Managing soil carbon for climate change and food security.

✗ D. To study various aspects of soil carbon.

Question ID : **54062617209**

Comprehension:

Read the following information carefully and answer the given questions.

Initiatives such as "4 per mille" and Terraton aim to sequester huge amounts of carbon in the soil. The 2018 U.S. Farm Bill includes the first-ever incentives for farmers to adopt practices aimed at improving soil health and sequestering carbon. But these initiatives are missing a key point: not all soil carbon is the same.

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SubQuestion No : 17

Q.17 What is the synonym of the word 'boost'?

Ans

✗ A. Shackle

✗ B. Inhibit

✔ C. Bolster

✗ D. Placate

Question ID : **54062617211**

Comprehension:

Read the following information carefully and answer the given questions.

Initiatives such as "4 per mille" and Terraton aim to sequester huge amounts of carbon in the soil. The 2018 U.S. Farm Bill includes the first-ever incentives for farmers to adopt practices aimed at improving soil health and sequestering carbon. But these initiatives are missing a key point: not all soil carbon is the same.

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SubQuestion No : 18

Q.18 What will happen if we add low-quality crop residues to agricultural field?

Ans ✗ A. It will help the high diversity crops to grow better.

✗ B. It will create more mineral associated organic matter than particulate organic matter.

✗ C. It will help the soil to sequester more carbon in the atmosphere.

✔ D. It will create more particulate organic matter than mineral based organic matter in the soil.

Question ID : **54062617210**

Comprehension:

Read the following information carefully and answer the given questions.

Initiatives such as "4 per mille" and Terraton aim to sequester huge amounts of carbon in the soil. The 2018 U.S. Farm Bill includes the first-ever incentives for farmers to adopt practices aimed at improving soil health and sequestering carbon. But these initiatives are missing a key point: not all soil carbon is the same.

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SubQuestion No : 19

Q.19 What conclusion can be drawn from the given passage?

Ans ✗ A. It's important to keep the check on human action as it affects sequestration of soil carbon.

✗ B. Food security is as essential as maintaining the appropriate weather and necessary management strategies must be followed.

✔ C. To meet our food security and climate needs proper balance between mineral and particulate based organic matter is required, considering human interaction.

✗ D. Minimum usage of low-quality carbon should be done in agricultural field as it affects the climate.

Question ID : **54062617213**

Comprehension:

Read the following information carefully and answer the given questions.

Initiatives such as "4 per mille" and Terraton aim to sequester huge amounts of carbon in the soil. The 2018 U.S. Farm Bill includes the first-ever incentives for farmers to adopt practices aimed at improving soil health and sequestering carbon. But these initiatives are missing a key point: not all soil carbon is the same.

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However, not all soils can accumulate both mineral-associated organic matter and particulate organic matter. Before implementing any management practices for carbon sequestration, participants should first assess the carbon storage potential of the local soil, much as a doctor studies a patient before prescribing a cure. Sequestering soil carbon effectively requires an understanding of how particulate organic matter and mineral-associated organic matter work, how human actions affect them, and how to build up both types to meet our planet's climate and food security needs.

SubQuestion No : 20

Q.20 **What inference can be drawn from the statement 'doctor studies a patient before prescribing a cure' in respect of the given passage?**

Ans   ✗ A. Before giving prescription to a patient, his allergies to the medicine must be checked.

✗ B. All soils cannot accumulate particulate organic matter with great efficiency.

✓ C. Before preparing the soil for carbon sequestration, its potential should be checked.

✗ D. Just like a farmer in agricultural field, doctor is required to check the patient.

Question ID : **54062617212**

Section : **Discipline1**

Q.1 **Which of the following statement is/are correct?**

Ans   ✓ A. Only I

✗ B. Both I and II

✗ C. Only II

✗ D. Neither I nor II

Question ID : **54062617220**

Q.2 Which statements is correct regarding main () function in C++?

I. It is a user defined function.
II. It is a pre-defined function.

Ans
✓ A. Only I

✗ B. Neither I nor II

✗ C. Both I and II

✗ D. Only II

Question ID : **54062617226**

Q.3 How many interchanges will happen when the sequence of letters of "SORTED" is sorted using bubble sort?

Ans
✗ A. 6

✗ B. 18

✓ C. 11

✗ D. 36

Question ID : **54062617229**

Q.4 _____ is a controlled electronic switch fabricated using a semiconductor.

Ans
✓ A. Transistor

✗ B. Monitor

✗ C. Coupler

✗ D. Hard-disk

Question ID : **54062617222**

Q.5 Due to which property a computer can work for hours without creating any error and without grumbling?

Ans
✗ A. Speed

✗ B. Versatility

✓ C. Diligence

✗ D. No I.Q

Question ID : **54062617218**

Q.6 Which of the following statement is/are correct?

I. The largest four digit number in base 7 is 7777.
II. The smallest four digit number in base 8 is 1111.

Ans
✓ A. Neither I nor II

✗ B. Both I and II

✗ C. Only I

✗ D. Only II

Question ID : **54062617221**

Q.7 What is the worst case time complexity of bubble sort?

Ans
✗ A. $O(\log_2 x)$

✗ B. $O(x)$

✔ C. $O(x^2)$

✗ D. $O(x\log_2 x)$

Question ID : **54062617225**

Q.8 _____ is a system software package that converts a high level language program to machine language.

Ans
✔ A. Compiler

✗ B. Editor

✗ C. Emulator

✗ D. Debugger

Question ID : **54062617223**

Q.9 Consider the following segment of C++ code.
```
int j, n;
for(j=1;j<=n; )
j=j*2;
```

What is the number of comparisons made in the execution of the loop for any n > 0?

Ans
✔ A. $\log_2 n + 1$

✗ B. $\log_2(n + 1)$

✗ C. $n + 1$

✗ D. $(n + 1)/2$

Question ID : **54062617231**

Q.10

Ans
✗ A. −2

✗ B. 2

✗ C. 1

✔ D. 0

Question ID : **54062617215**

Q.11 If x + iy = tan (A + iB), then what is the value of $x^2 + y^2 + 2x \cot 2A - 2$?

Ans
✔ A. −1

✗ B. 1

✗ C. 0

✗ D. 2

Question ID : **54062617216**

Q.12 A partner who just lends his name to the partnership firm is known as a _____.

Ans ✗ A. General Partner

✔ B. Nominal Partner

✗ C. Limited Partner

✗ D. Sleeping Partner

Question ID : **54062617217**

Q.13 Which inbuilt function in C is used to read string from system console?

Ans ✗ A. getchar ()

✔ B. cgets ()

✗ C. getche ()

✗ D. puts ()

Question ID : **54062617227**

Q.14 What is the output of the following code written in C?
```
void main()
{
printf("%d%d%d",62,062,0x62);
}
```

Ans ✗ A. 629850

✗ B. 506298

✗ C. 986250

✔ D. 625098

Question ID : **54062617228**

Q.15 What is the maximum running time of binary search algorithm, when n = 12,000?

Ans ✗ A. 15

✗ B. 12

✔ C. 14

✗ D. 13

Question ID : **54062617224**

Q.16 What is the minimum value of function y = x^2 in the interval [1, 6]?

Ans ✗ A. 2

✗ B. 3

✔ C. 1

✗ D. 4

Question ID : **54062617214**

Q.17 Consider the following New-order strategy for traversing a binary tree.

I. Visit the right subtree of node using new-order
II. Visit the left subtree of node using new-order
III. Visit the node.

What is the new-order traversal of the given tree?

Ans ✔ A. K, J, I, H, G, F, E, D, C, B, A

✘ B. B, D, C, A, G, F, H, E, I, J, K

✘ C. A, B, C, D, K, J, I, H, G, F, E

✘ D. A, B, C, D, E, F, G, H, I, J, K

Question ID : **54062617230**

Q.18 1 picoseconds = _____

Ans ✘ A. 10^{-18} seconds

✘ B. 10^{-15} seconds

✘ C. 10^{-9} seconds

✔ D. 10^{-12} seconds

Question ID : **54062617219**

Q.19 Which of the following statement(s) is/are correct?

I. Metropolitan area network is a collection of Local area network
II. Metropolitan area network support both data and voices transmission

Ans ✘ A. Neither I nor II

✔ B. Both I and II

✘ C. Only I

✘ D. Only II

Question ID : **54062617233**

Q.20 _____ is used for management, maintenance and retrieval of the data stored in the database.

Ans ✘ A. System Software

✘ B. Operating System

✔ C. Database Management System

✘ D. Processing Software

Question ID : **54062617232**

Section : **Discipline2**

Q.1 Which of the following is NOT a Structured Query Language Data type?

Ans ✗ A. REAL

✗ B. TIME STAMP

✗ C. INTERVAL

✔ D. BASE

Question ID : **54062617253**

Q.2 The values of the attributes in a database describe a particular _____.

Ans ✗ A. Tuple

✗ B. Field

✗ C. View

✔ D. Entity

Question ID : **54062617252**

Q.3 Which of the following is a type of network topology?

I. Star topology
II. Bus topology
III. Car topology

Ans ✗ A. II and III

✗ B. I, II and III

✔ C. I and II

✗ D. I and III

Question ID : **54062617235**

Q.4 The ability to input data directly into a computer system by speaking to it is known as _____.

Ans ✗ A. speech enhancement

✔ B. speech recognition

✗ C. speaker identification

✗ D. speaker recognition

Question ID : **54062617239**

Q.5 A railway crossing has 4 railway tracks. If a train comes on atleast 1 of the tracks, the crossing has to be closed. Which gate can be used to implement this?

Ans ✔ A. OR

✗ B. AND

✗ C. NOR

✗ D. NAND

Question ID : **54062617243**

Q.6 How many NOR gates are used to get AND gate form them?

Ans ✔️ A. 3

❌ B. 1

❌ C. 4

❌ D. 2

Question ID : **54062617242**

Q.7 Simplify the following Boolean Expression?

Ans ❌ A. AB

❌ B.

❌ C. A + B

✔️ D. B

Question ID : **54062617241**

Q.8 According to _____ law, the force between two charges is directly proportional to the product of theirs charges.

Ans ❌ A. Kirchoff's

❌ B. Gauss's

✔️ C. Coulomb's

❌ D. Ohm's

Question ID : **54062617240**

Q.9 Which of the following pair is/are correct?

I. Astable multivibrator – Flip Flop
II. Bistable multivibrator – Free running

Ans ❌ A. Only I

❌ B. Only II

❌ C. Both I and II

✔️ D. Neither I nor II

Question ID : **54062617245**

Q.10 _____ is a device that combines a large number of low speed transmission lines into a high speed line.

Ans ❌ A. Switch

✔️ B. Multiplexer

❌ C. Demultiplexer

❌ D. Repeater

Question ID : **54062617234**

Q.11 When data is frequently added to or deleted from a file, the volatility of the file is _____.

Ans
✗ A. moderate

✗ B. zero

✗ C. low

✔ D. high

Question ID : **54062617251**

Q.12 Which of the following is not a key attribute of information?

Ans
✗ A. Relevancy

✗ B. Accuracy

✗ C. Timeliness

✔ D. Isolation

Question ID : **54062617248**

Q.13 Which of the following statement is/are correct regarding sequential file organization?

I. Entire file must be read for new record insertion and record deletion
II. On an average, half of the records in the file must be processed to find the location of a record

Ans
✗ A. Only II

✗ B. Only I

✗ C. Neither I nor II

✔ D. Both I and II

Question ID : **54062617250**

Q.14 Simplify the following expression.

Ans
✗ A.

✔ B.

✗ C. 1

✗ D. A + B + C

Question ID : **54062617247**

Q.15 Which one of the following is an impact printer?

Ans
✔ A. Dot-matrix printer

✗ B. Inkjet printer

✗ C. Laser printer

✗ D. Thermal printer

Question ID : **54062617237**

Q.16 Minimize the three variable logic function using the following K-Map.

f(A, B, C) = Sm(0, 2, 5, 7)

Ans ✔️ A.

❌ B.

❌ C.

❌ D.

Question ID : **54062617244**

Q.17 What is the full form of DASD in database management system?

Ans ✔️ A. Direct Access Storage Device

❌ B. Digital Access Storage Device

❌ C. Dynamic Access Storage Device

❌ D. Disk Access Storage Device

Question ID : **54062617249**

Q.18 Which of the following is an advantage of use of multiplexers?

I. Logic design is simplified
II. Minimizes IC package count
III. Simplification of logic expression is not required

Ans ✔️ A. I, II and III

❌ B. I and III

❌ C. I and II

❌ D. II and III

Question ID : **54062617246**

Q.19 Which of the following is a type of transmission mode?

I. Simplex mode
II. Half simplex mode
III. Duplex mode

Ans ❌ A. I, II and III

❌ B. II and III

❌ C. I and II

✔️ D. I and III

Question ID : **54062617236**

Q.20 In _____ computer network, there is no host computer for controlling other computers and all stations are equal.

Ans   ✗ A. Tree

  ✗ B. Star

  ✔ C. Ring

  ✗ D. Bus

Question ID : **54062617238**

Section : **Discipline3**

Q.1 Two modules are said to be common coupled in software design if _____.

Ans   ✔ A. they share same global data areas

  ✗ B. they communicate through an elementary data item

  ✗ C. they share their code

  ✗ D. they communicate via a composite data

Question ID : **54062617266**

Q.2 If a memory partition of size 80k is allocated to a process of size 60k then the 20k of the partition is wasted and cannot be allocated to any process. It is called _____.

Ans   ✗ A. worst fit

  ✗ B. best fit

  ✔ C. internal fragmentation

  ✗ D. external fragmentation

Question ID : **54062617273**

Q.3 Which page replacement algorithm has Belady's anomaly?

Ans   ✗ A. Least recent used page replacement

  ✔ B. FIFO page replacement

  ✗ C. Optimal page replacement

  ✗ D. Not recently used page replacement

Question ID : **54062617271**

Q.4 Which of the following is/are correct?

I. All permanent accounts are balanced and carried forward to the next accounting period.
II. The temporary accounts are closed at the end of the accounting period.

Ans   ✔ A. Both I and II

  ✗ B. Only I

  ✗ C. Only II

  ✗ D. Neither I nor II

Question ID : **54062617261**

Q.5 Which of the following statement(s) is/are correct regarding java programming?

I. Place a semicolon immediately after a method header
II. Define a method outside the braces of a class definition

Ans   ✗ A. Only II

     ✗ B. Both I and II

     ✔ C. Neither I nor II

     ✗ D. Only I

Question ID : **54062617269**

Q.6 In _____ model, software is developed in a series of incremental releases.

I. Spiral
II. Sequential

Ans   ✗ A. Only II

     ✗ B. Neither I nor II

     ✔ C. Only I

     ✗ D. Both I and II

Question ID : **54062617264**

Q.7 What is the other name of White-box testing?

Ans   ✗ A. Red-box testing

     ✗ B. Open-box testing

     ✔ C. Glass-box testing

     ✗ D. Close-box testing

Question ID : **54062617262**

Q.8 What is AJAX in ASP.NET?

Ans   ✔ A. Asynchronous java script and XML

     ✗ B. Asynchronous java script and HTML

     ✗ C. Associated java script and XML

     ✗ D. Associated java script and HTML

Question ID : **54062617259**

Q.9 The input-output relationship of the binary variable for each gate can be represented in tabular form by a _____.

Ans   ✔ A. truth table

     ✗ B. characteristic table

     ✗ C. decision table

     ✗ D. symbol table

Question ID : **54062617254**

Q.10 A module of a software is said to be logically cohesive if _____.

Ans   ✗ A. all the elements of the module performs different operations alternatively

✓ B. all the elements of the module perform similar operations like error handling, data input etc

✗ C. if the set of functions of the module are all part of a procedure

✗ D. different elements of the module cooperate to achieve a single function for example managing an employee's pay roll

Question ID : **54062617265**

Q.11 What is the output of the given java code?

Ans   ✓ A. 0

✗ B. 256

✗ C. 128

✗ D. 32

Question ID : **54062617270**

Q.12 In java script a _____ function can be defined as a function passed into another function as a parameter.

Ans   ✗ A. roll back

✗ B. roll front

✓ C. call back

✗ D. call front

Question ID : **54062617258**

Q.13 Which of the following symbol represent the NOR gate?

Ans   ✗ A. Only I

✗ B. Neither I nor II

✓ C. Both I and II

✗ D. Only II

Question ID : **54062617257**

Q.14 JAVA compiler translates source code into _____.

Ans   ✓ A. byte code

✗ B. symbolic code

✗ C. high language code

✗ D. assembly code

Question ID : **54062617268**

Q.15 When there is a memory wastage within the memory partition itself then it known as _____.

Ans
- ✗ A. Compaction
- ✔ B. Internal fragmentation
- ✗ C. Belady's Anomaly
- ✗ D. External fragmentation

Question ID : **54062617272**

Q.16 Which statement(s) is/are correct regarding the Boolean algebra?

I. It facilitate the analysis and design of digital circuits.
II. Expresses in algebraic form the input-output relationship of logic diagram.

Ans
- ✗ A. Neither I nor II
- ✗ B. Only I
- ✗ C. Only II
- ✔ D. Both I and II

Question ID : **54062617255**

Q.17 What is the full form of SQA in software engineering?

Ans
- ✗ A. System Quality Assurance
- ✗ B. Software Quality Activity
- ✗ C. Service Quality Activity
- ✔ D. Software Quality Assurance

Question ID : **54062617263**

Q.18 Which of the following statement(s) is/are correct regarding software project management?

I. PERT charts can be derived automatically form Gantt charts.
II. Gantt charts cannot be automatically derived from PERT charts.

Ans
- ✗ A. Both I and II
- ✗ B. Only II
- ✔ C. Neither I nor II
- ✗ D. Only I

Question ID : **54062617267**

Q.19 What is equivalent of the following Boolean expression?

Ans
- ✗ A. x
- ✗ B.
- ✔ C.
- ✗ D. xy

Question ID : **54062617256**

Q.20 Which of the following is/are correct regarding accounting process?

I. A provision is a charge against profit
II. Reserve is an appropriation of profit

Ans ✗ A. Only II

✗ B. Neither I nor II

✔ C. Both I and II

✗ D. Only I

Question ID : **54062617260**

Section : **Discipline4**

Q.1 Which statement is correct regarding binary search tree?

I. The value at node N is less than every value in the left subtree of node.
II. The value at node N is greater than or equal to every value in the right subtree of N.

Ans ✔ A. Neither I nor II

✗ B. Both I and II

✗ C. Only I

✗ D. Only II

Question ID : **54062617287**

Q.2 Which of the following method(s) is/are used to measure the aggregate value of goods and services produced in an economy?

I. Expenditure method
II. Income method
III. Product method

Ans ✗ A. I and II

✔ B. I, II and III

✗ C. Only III

✗ D. I and III

Question ID : **54062617279**

Q.3 The rate at which page fault occurs is known as _____.

Ans ✗ A. swapping

✔ B. thrashing

✗ C. paging

✗ D. compaction

Question ID : **54062617275**

Q.4 Which of the following business models fall into the category of 'Native Internet Business Models'?

I. Library Model
II. Subscription Model

Ans ✗ A. Only II

✓ B. Only I

✗ C. Both I and II

✗ D. Neither I nor II

Question ID : **54062617285**

Q.5 Which statement(s) is/are correct regarding node N deletion in binary search tree?

I. If node N has no children then just replace location of N in the parent node by the null pointer.
II. If node N has two children, then replace it by preorder successor.

Ans ✗ A. Both I and II

✓ B. Only I

✗ C. Neither I nor II

✗ D. Only II

Question ID : **54062617290**

Q.6 Consider a main memory with the capacity of 4 page frames which are initially empty. If the page reference string is 1, 3, 4, 4, 3, 2, 1, 7, 5, 6 then what is the number of page fault using FIFO page replacement algorithm?

Ans ✗ A. 9

✗ B. 8

✗ C. 6

✓ D. 7

Question ID : **54062617277**

Q.7 Which of the following effects of the price change can influence the consumer's optimal choice?

I. The change in the relative price of a good.
II. The change in the purchasing power of a consumer.
III. Sudden reduction in the minimum support price of a commodity.

Ans ✗ A. I, II and III

✗ B. Only III

✗ C. Only I

✓ D. I and II

Question ID : **54062617280**

Q.8 Which of the following is not used to calculate Hash functions?

Ans ✗ A. Folding method

✗ B. Modular method

✔ C. Rehashing

✗ D. Division method

Question ID : **54062617289**

Q.9 In OSI model network layer is responsible for _____.

Ans ✔ A. Routing

✗ B. Token management

✗ C. Dialog control

✗ D. Physical transmission

Question ID : **54062617282**

Q.10 Which statement is/are true about the OSI model?

**I. Layer 1 through 3 are end-to-end
II. Layer 4 through 7 are chained**

Ans ✔ A. Neither I nor II

✗ B. Both I and II

✗ C. Only I

✗ D. Only II

Question ID : **54062617283**

Q.11 A certain percentage of deposits which a bank must keep in the form of cash with the RBI is called _____.

Ans ✗ A. Statutory Liquidity Ratio

✗ B. Liquidity Adjustment Facility

✗ C. Open Market Operations

✔ D. Cash Reserve Ratio

Question ID : **54062617278**

Q.12 Which of the following characteristic(s) of expert systems is/are correct?

**I. The direction of interaction is from machine to the user.
II. Its domain of knowledge is narrow.
III. Information is produced by analysis of operational and external data.**

Ans ✗ A. I, II and III

✗ B. I and III

✗ C. Only II

✔ D. I and II

Question ID : **54062617292**

Q.13 Which layer in OSI model is responsible for the dialogue control and token management?

Ans

✔ A. Session layer

✘ B. Transport layer

✘ C. Physical layer

✘ D. Network layer

Question ID : **54062617281**

Q.14 Which of the following is a type of information system?

Ans

✔ A. Transaction Processing System

✘ B. Online Processing System

✘ C. Distributed Processing System

✘ D. Real-time Processing System

Question ID : **54062617291**

Q.15 Which of the following is not a operating system for mobile computing?

Ans

✔ A. Manet OS

✘ B. Palm OS

✘ C. Symbian OS

✘ D. Windows Mobile

Question ID : **54062617293**

Q.16 Which of the following statement(s) is/are correct regarding about the undirected graph?

I. Number of odd degree vertices is even.
II. Sum of degrees of all vertices is even.

Ans

✘ A. Only I

✘ B. Only II

✔ C. Both I and II

✘ D. Neither I nor II

Question ID : **54062617288**

Q.17 Which of the following statement(s) is/are correct regarding the strategies required to increase the visibility of e-commerce website?

I. The website name should be sensible that it can be guessed.
II. Uploading contents like special offers or eye catching information for the regular followers can increase traffic on the website.
III. Icons of social networks on the website have no major influence on e-visibility.

Ans

✘ A. II and III

✘ B. I, II and III

✔ C. I and II

✘ D. Only II

Question ID : **54062617286**

Q.18 Layer five of OSI model is _____.

Ans ✔ A. Session layer

✘ B. Presentation layer

✘ C. Network layer

✘ D. Transport layer

Question ID : **54062617284**

Q.19 If two non-continuous free partition of size 'a' and 'b' are available. A process of size 'c' cannot be allocated even when a + b > c, a < c and b < c. This problem is known as _____.

Ans ✘ A. worst fit

✘ B. quick fit

✘ C. internal fragmentation

✔ D. external fragmentation

Question ID : **54062617274**

Q.20 _____ is a process of lifting the process from memory and placing it on disk.

Ans ✘ A. Paging

✔ B. Swapping out

✘ C. Swapping in

✘ D. Thrashing

Question ID : **54062617276**

Section : **Discipline5**

Q.1 How many different levels of heading does HTML support?

Ans ✘ A. 9

✔ B. 6

✘ C. 5

✘ D. 7

Question ID : **54062617295**

Q.2 Rearrange steps involved in top-down design programming?

I. Analyze the problem
II. Revise and resequence
III. Write the main module
IV. Connect the modules in proper order
V. Write the remaining modules

Ans ✗ A. II → IV → V → III → I

✔ B. I → III → V → IV → II

✗ C. III → I → V → IV → II

✗ D. V → III → I → IV → II

Question ID : **54062617300**

Q.3 Which HTML tag is used to embed Java Script scripts in a page?

Ans ✗ A.

✔ B.

✗ C.

✗ D.

Question ID : **54062617296**

Q.4 Which symbol in flowchart is used for representing start and end?

Ans ✗ A.

✗ B.

✔ C.

✗ D. →

Question ID : **54062617299**

Q.5 A question in mathematics is given to three students P, Q and R whose chances of solving are 1/3, 1/4, 1/5 respectively. What is the probability that the problem will be solved?

Ans ✗ A. 0.8

✗ B. 0.7

✗ C. 0.4

✔ D. 0.6

Question ID : **54062617302**

Q.6 _____ is the process of identifying, organizing, storing and disseminating information within an organization.

Ans ✗ A. Financial management

✗ B. Management information system

✔ C. Knowledge management

✗ D. Human resource management

Question ID : **54062617297**

Q.7 If f(1) = 4 and f(5) = 6, then what is the value of f(3) using Lagrange's interpolation?

Ans ✗ A. 3

✗ B. 4

✔ C. 5

✗ D. 6.5

Question ID : **54062617303**

Q.8 Which of the following methods can be used to organise notes for interpreting an information?

I. Flow chart
II. Transition devices

Ans ✗ A. Neither I nor II

✔ B. Only I

✗ C. Only II

✗ D. Both I and II

Question ID : **54062617298**

Q.9 The maximum number of points that can be displayed without overlap on a CRT is referred to as _____.

Ans ✗ A. phosphorescence

✗ B. aspect ratio

✔ C. resolution

✗ D. persistence

Question ID : **54062617294**

Q.10 If P is the mean of Poisson distribution, then what is the standard deviation?

Ans ✗ A. P

✗ B. P^2

✔ C.

✗ D.

Question ID : **54062617301**

Q.11 As a teacher, you have to realize that the entire responsibility of the assessment of learning and its follow up lies with you. Which of the following is/are that/those aspect(s) that need your attention?

I. You must collect sufficient evidence on which you base your decisions.
II. You need to be sensitive to the challenges faced by some students in completing the task/assignment.

Ans ✗ A. Only II

✔ B. Both I and II

✗ C. Only I

✗ D. Neither I nor II

Question ID : **54062617306**

Q.12 Which of the following statement(s) is/are NOT correct?

I. Sanskrit is the standard language of Brahmanic society.
II. Persian is the standard language of Iranians.

Ans   ✗ A. Only II

     ✔ B. Neither I nor II

     ✗ C. Both I and II

     ✗ D. Only I

Question ID : **54062617309**

Q.13 _____ is the type of assessment.

I. Formative assessment
II. Summative assessment

Ans   ✗ A. Only II

     ✗ B. Only I

     ✗ C. Neither I nor II

     ✔ D. Both I and II

Question ID : **54062617307**

Q.14 In Hindi every noun can have _____ forms in principle.

Ans   ✗ A. 4

     ✗ B. 8

     ✔ C. 6

     ✗ D. 2

Question ID : **54062617308**

Q.15 _____ is the key process of teacher-centered approach.

I. Memorizing
II. Recalling from memory

Ans   ✗ A. Neither I nor II

     ✗ B. Only II

     ✔ C. Both I and II

     ✗ D. Only I

Question ID : **54062617304**

Q.16 Which of the following statement(s) is/are NOT correct?

I. In case of multi-grade and multi-level situations, teaching learning materials provide vital help to the teachers for effective management of their class.
II. Teaching learning materials are needed for effective self-learning.

Ans ✗ A. Only I

✗ B. Both I and II

✗ C. Only II

✔ D. Neither I nor II

Question ID : **54062617305**

Q.17 At the elementary level, how awareness of regional arts and crafts help?

I. To recognise and promote traditional and contemporary art and art pieces.
II. To sensitise the children about the pluralistic cultural legacy of India – awareness of local crafts.

Ans ✗ A. Only I

✔ B. Both I and II

✗ C. Only II

✗ D. Neither I nor II

Question ID : **54062617311**

Q.18 Gender discrimination can be _____.

I. direct
II. indirect

Ans ✔ A. Both I and II

✗ B. Neither I nor II

✗ C. Only I

✗ D. Only II

Question ID : **54062617312**

Q.19 There are various factors on which our choice of words, our selection of sentences are always dependent. Which of the following are those factors?

I. The context
II. The place where we speak
III. The theme

Ans ✗ A. II and III

✗ B. I and II

✗ C. I and III

✔ D. I, II and III

Question ID : **54062617310**

Q.20 Which of the following is/are the indicator(s) of empowered women?

I. Participation in social change
II. Participation in developmental process

Ans ✔ A. Both I and II

✘ B. Neither I nor II

✘ C. Only I

✘ D. Only II

Question ID : **54062617313**