Section 1: English (36 Questions)

Read the following passage and answer Q.1 to Q.5:

The way some authors subverted the conventions of novel-writing in the seventies (for example, turning real-life into books that read like fiction), architects turned the built environment inside out: putting what is usually inside a building on the outside, and bringing the outside in.

The supreme example is Pompidou Centre in Paris: a vast steel and glass shed, the size of a large department store, festooned with steel rods and colored pipes, with an extraordinary see-through escalator hanging on its front façade. Here was a structure, the like of which the world had never seen, that caused controversy at the time and still divides opinion between those who love the building and those who consider it monstrous. Still, on the balance, it has become more beloved than reviled.

Like the Sydney Opera House, the Pompidou started with an open international competition to find a design for an arts centre that would enhance the image of a city and nation. In this case, there was also a specific political dimension in the violent student protests of May 1968. President Charles De Gaulle had quashed that uprising, which carried with it the threat of a Communist-led revolution. His successor, Georges Pompidou, had the task of healing the wounds of '68. One of his ideas was to give Paris a wonderful new library, one that would have free access to all, which was in itself a sop to students. This idea then expanded into a grander dream of a cultural palace that would, in part, serve to entertain and, hopefully, distract the youth of Paris from causing further civil unrest. This centre would also be the first of what became a succession of grands projets commissioned by French presidents for the glorification of Paris. Spectacular though other structures are, none were quite so bold as the Pompidou Centre.

Q.1   The most remarkable feature of the Pompidou Centre is:

[A]   it is huge and vast   [B]   it is located in the city centre

[C]   it is made of steel and glass   [D]   it has an unusual architecture

Q.2   Which among the following is the most important reason for constructing the Pompidou Centre:
[A]   to glorify President Georges Pompidou
[B]   to quash the student revolution of 1968
[C]   to cause sensation in the field of architecture
[D]   to enhance the image of Paris and France

Q.3 In the sentence starting with "The supreme example….", the author uses the punctuation mark colon (:) to :

[A] elaborate   [B] exemplify   [C] contradict   [D] dramatize

Q.4 In the starting sentence of the above passage, 'To subvert the conventions' of an art form means:
[A] to deviate from the established norms
[B] to include something in a larger group and cause it to lose its own individual character
[C] to provide evidence that proves something
[D] to state an idea that is not clearly stated but can be understood

Q.5 Angelic is to monstrous, what spectacular is to…………………

[A] overblown   [B] enthusiastic   [C] ordinary   [D] critical

Read the following poem by John Keats and answer Q.6 to Q.8:

> Much have I travell'd in the realms of gold,
> And many goodly states and kingdoms seen;
> Round many western islands have I been
> Which bards in fealty to Apollo hold.
> Oft of one wide expanse had I been told
> That deep-brow'd Homer ruled as his demesne;
> Yet did I never breathe its pure serene
> Till I heard Chapman speak out loud and bold:
> Then felt I like some watcher of the skies
> When a new planet swims into his ken;
> Or like stout Cortez when with eagle eyes
> He star'd at the Pacific—and all his men
> Look'd at each other with a wild surmise
> Silent, upon a peak in Darien.

Q.6 What is the literary form of the above poem?

[A] ballad   [B] sonnet   [C] epic   [D] elegy

Q.7 Which one among the following is a Greek god?

[A] Apollo   [B] Cortez   [C] Chapman   [D] Homer

Q.8 The literary device used in the lines 9-12 (Then I felt…….Cortez):

[A] simile   [B] metaphor   [C] bombast   [D] epigram

Q.9 Read the following passage and respond using the choices given below:

"Be with me always —— take any form —— drive me mad! Only do not leave me in this abyss, where I cannot find you! Oh, God! It is unutterable! I cannot live without my life! I cannot live without my soul!"

The tone in the above lines is:

[A]   ironic   [B]   sarcastic

[C]   appreciative   [D]   dark and gloomy

Q.10 The statements,

"It is absurd to divide people into good and bad. People are either charming or tedious" and "Be yourself; everyone else is already taken",

are examples of (choose the correct term from the list below):

[A]   proverb   [B]   wit   [C]   hyperbole   [D]   parable

Q.11 In the lines,

"how many ears must one man have, before he can hear people cry? And how many deaths will it take 'til he knows, That too many people have died?"

the poet's intention is to (choose the correct option):

[A]   protest against the system   [B]   incite violence

[C]   support war   [D]   promote patriotism

Q.12 From the expressions given below, choose the one that comes closest in meaning to the idiom 'a Faustian bargain':
[A]   to have a weak point
[B]   to start a process that will cause many problems
[C]   to live in an ideal society
[D]   to agree to do something bad in return for any benefit

Q.13 Complete the following, selecting the best option given below:

………………………… , we would have been closed.

[A]   If you'd arrived ten minutes later   [B]   If you arrive ten minutes later

[C]   If you are arriving ten minutes later [D]   If you arrived ten minutes later

Q.14 Choose the exact term from the words given below that means 'a speech at the beginning of a play, book, or film that introduces it':

[A]   foreword   [B]   prologue   [C]   prelude   [D]   preface

Q.15 The term……………………………………refers to a type of fiction that generally features a brooding atmosphere of gloom and terror, melodramatic events, and supernatural occurrences.

[A]   baroque   [B]   fable   [C]   gothic   [D]   aesthetic

Q.16 A soprano is commonly associated with (choose the correct option from the list below):

[A]   a Nō play   [B]   a television show

[C]   a gangsta rap video   [D]   an opera

Q.17 Choose the word from the following list which is NOT related to sound:

[A]   humongous   [B]   lilting   [C]   discordant   [D]   raucous

Q.18 Fill in the blank using the correct expression given in the choices below:

The matter has been postponed……………………………….

[A]   quid pro quo   [B]   de facto   [C]   de rigueur   [D]   sine die

Q.19 Choose the word from the list given below which can be changed into a plural by adding an 's' or an 'es':

[A]   equipment   [B]   multiplex   [C]   furniture   [D]   news

Q.20 Fill in the blank using the correct phrase given in the list below:

I am going to get the award this year, ……………………….?

[A]   amn't I?   [B]   don't I?   [C]   aren't I?   [D]   won't I?

Q.21 Choose the ANTONYM of the word 'Disconcerting' from the list below:

[A]   becalming   [B]   disturbing   [C]   satisfying   [D]   progressing

Q.22 The order of the given sentences has been jumbled. Select the correct sequence of sentences from the options given below:

P. But the other must deal with regulation that defines what corporations should not do.

Q. This also implies that we need three complementary approaches.

R. One has to be altruism, which deals with what corporations should do.

S. In fact, once this is recognized, it is apparent that, in the main, voluntary codes must characterize what corporations should do (because firms will have different preferences regarding the good they want to do, just as we do not all agree on which charities to support) and mandatory codes must address what they should not do.

T. The edifice of corporate social responsibility, however, must rest on two foundations.

The correct sequence of the sentences in the above passage is:

[A]   **QSTRP**   [B]   **SQRTP**   [C]   **QSPRT**   [D]   **TRPSQ**

Q.23 Choose the correct word for something that "no longer exists, operates or is used":

[A]   extant   [B]   defunct   [C]   mordant   [D]   portent

Q.24 Fill in the blank using the words given below:

We have been ……………………..people, proud of our past and of our heritage and trying to build walls and barriers to preserve it.

[A]   an overachieving   [B]   an exclusive

[C]   a stable   [D]   a vocal

Read the following passage and answer Q.25 to Q.28:

It would be impossible to refute the claim that Gabrielle "Coco" Chanel is the most famous designer in history---the reputation outstripping that of rivals such as Dior and YSL, designers who gave much more to fashion than she did. Her great strength was her ability to read the times and moods that changed them, and she did this before anyone else did. Her story has become legendary and at least its basic facts are now part of fashion mythology.

Q.25 The passage tells us about the
     [A]   enormous contribution Coco Chanel made to the world of fashion
     [B]   the entirely original contribution made by Coco Chanel
     [C]   Coco Chanel's ability to understand the changing times
     [D]   None of the above

Q.26 A myth in the above context is:
  [A] a story
  [B] a belief
  [C] an idea that many people think are true but may or may not be false
  [D] All of the above

Q.27 Choose from the list below the SYNONYM for the word 'outstripping':

  [A] rivalling   [B] adding   [C] exceeding   [D] deleting

Q.28 The closest ANTONYM of 'refute' is:

  [A] endorse   [B] refuse   [C] deny   [D] object

Q.29 A novel written completely in a letter format is called:

  [A] non-fiction novel   [B] epistolary novel

  [C] anti-novel   [D] magic realism novel

Read the below extract and answer Q.30 and Q.31:

At recess I went to the staffroom and told Grace how I had impulsively committed her to a talk with the girls; she was quiet pleased about it and promised to 'lay it on thick':

Q.30 The expression 'lay it on thick' means:
  [A] to behave as if something is more dangerous than it really is
  [B] to be very strict and harsh, though not really necessary
  [C] to be more cunning than is really required
  [D] to try to persuade someone that something is better than it really is

Q.31 Identify the word in the above extract which has been wrongly spelt:

  [A] recess   [B] pleased   [C] quiet   [D] committed

Q.32 Fill in the blanks with appropriate articles:

  ……………………….men who had made Florence …………………..richest city in Europe, lived in grim defensive houses strong enough to withstand party feuds and popular riots.

  [A] a, the   [B] the, a   [C] the, the   [D] no article

Q.33 Although Quebec did not break its ties with the rest of Canada, it did not feel itself part of the Confederation.

In the above sentence, the clause 'Although…..Canada', is an example of (choose the correct option:

[A]   contrast   [B]   condition   [C]   addition   [D]   alternative

Q.34 The ANTONYM of the word 'Indifferent' is (select the best option from the list below):

[A]   similar   [B]   concerned   [C]   insolent   [D]   different

Q.35 A situation which is not enforceable by law and only binding as a matter of honour is called….

[A]   Murphy's Law   [B]   Gentleman's agreement

[C]   Peter's Principle   [D]   Golden handshake

Q.36 The word 'slithy' is an example of:

[A]   portmanteau   [B]   pun   [C]   pidgin   [D]   jargon

Section 2: Analytical and Quantitative Ability (36 Questions)

Q.37 Six people assembled in a room greet each other via handshakes. What is the total number of handshakes, assuming that every pair will shake hands exactly once?

[A]   12   [B]   30   [C]   15   [D]   36

Q.38 Let x be a positive number such that the remainder of x modulo 7 is 3. Then the remainder of x^{152} modulo 7 is

[A]   4   [B]   3   [C]   5   [D]   2

Q.39 Let $f(n) = n^{100}$ and $g(n) = 2^n$, where $n \geq 0$, be two functions. Then, which of the following is TRUE?

[A] $f(n) \geq g(n)$, for all $n \geq 100$ [B] $g(n) \geq f(n)$, for all $n \geq 50$

[C] $g(n) \geq f(n)$, for all $n \geq 1000$ [D] $f(n) \geq g(n)$, for all $n \geq 1000$

Q.40 A merchant buys 100 items and pays for 80 items. He decides to offer 20% discount on the first 10 items sold, and 10% discount on the next 10 items sold, and no discount on the remaining items. What is the percentage of his profit?

[A]   20.25   [B]   21.25   [C]   23.75   [D]   20.75

Q.41 Flipkart is selling a book worth Rs. 2000 at a discount of 15%. An additional discount of 5% on the currently discounted price is available if the purchase is made through a RuPay card. Any transaction with RuPay card is charged Rs. 50 per transaction by the bank. If the user chooses to buy the book using her RuPay card, the effective discount available to him/her is (in percentage):

[A]   20   [B]   17.5   [C]   16.75   [D]   18

Q.42 Abel can do a piece of work in 30 days. Balu is 20% faster than Abel and is 20% slower than Cosmina. In how many days can Cosmina complete the piece of work?

[A]   20   [B]   25   [C]   30   [D]   15

Q.43 The ratio between the amount of work done by Kala and Jameela is 2 : 3. Kala requires n days to complete a job. If they work together, in how many days they can complete the job?

[A]   n/2   [B]   0.66n   [C]   0.4n   [D]   n/3

Q.44 In January 2005, a farmer takes a loan of Rs. 2 Lakhs at the rate of 10% compound interest, compounded annually at the beginning of every year. He manages to pay Rs. 50,000 at the end of every year. The number of years required for the farmer to completely pay off the loan is:

[A]   4   [B]   6   [C]   7   [D]   8

Q.45 Rs. x was deposited at a bank with a simple interest of 10%. If the interest earned after 5 years is Rs. 50000, the value of x is:

[A]   75,000   [B]   1,00,000   [C]   1,50,000   [D]   2,00,000

Q.46 Let p be a prime number. Suppose pn^3 is divisible by p^5. Consider the following statements:
   I. p^3 divides n^3
   II. p^2 divides n
   III. p^9 does not divide n

Which of the following combinations is always TRUE?

[A]   II and III   [B]   I and II   [C]   I, II, and III   [D]   I and III

Q.47 The number of integer solutions to the equation $a + b = 100$ such that $|a|\sqrt{|a|} \le 100$ is

[A]   42   [B]   100   [C]   101   [D]   43

Q.48 Let m and n be numbers such that $a = \mathrm{HCF}(m, n)$ and $b = \mathrm{LCM}(m, n)$. Which of the following is FALSE?
[A] $b = mn \div a$
[B] $b < \max\{m^2, n^2\}$
[C]   There are integers α and β such that $\alpha m + \beta n = a$
[D] $b > \min\{m^2, n^2\}$

Q.49 Suppose there is a committee of 10 people. In how many distinct ways can a chairman, a deputy chairman and a secretary be selected if no person can hold more than one position?

[A]   10!   [B]   1000   [C]   360   [D]   720

Q.50 There are six people in a room aged between 10 and 60 years. The average age of the people is 30 years. Suppose there are two teenagers among them. Consider the following statements:
 I. There is a person of age more than 35
 II. There are two people of age more than 30
 III. There cannot be more than two people aged above 50

Which of the following combinations of the above statements is always TRUE?

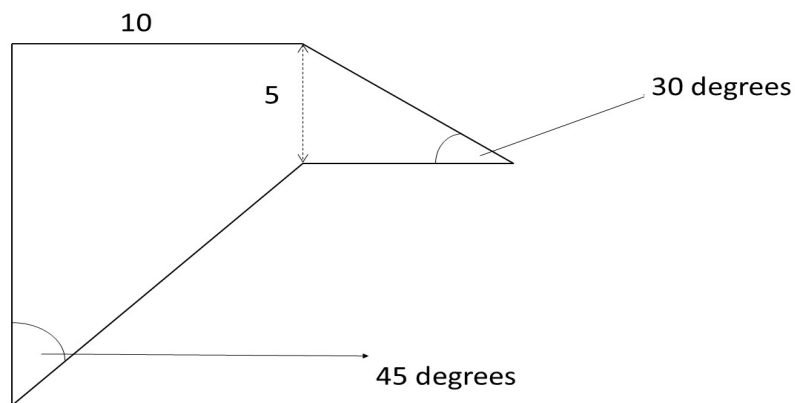[A] I and III [B] I and II [C] II and III [D] I, II and III

Q.51 Let a, b be two odd numbers such that $a > b$ and c be an even number such that $a, b, c \geq 5$. Which of the following numbers is odd?

[A] $((a + 5)^2 - (b - 3)^2)(c - 1)^2$

[B] $((c - a)^3 + (a + b + 1)^2)(a - b)^2$

[C] $((a + 2)^3 - (a + 1)^3)b^3 + c^3$

[D] $c^a + c^b$

Q.52 Suppose x and y are such that $2x + 5y$ is divisible by 13. Which of the following is always TRUE?
[A] $2x^2 + 3xy - 5y^2$ is divisible by 13
[B] $2x^2 + 9xy + 10y^2$ is not divisible by 13
[C] $2x^2 + 5xy + 3$ is divisible by 13
[D] $2(x + \beta) + 5(y + \alpha)$ is not divisible by 13 for any α and β

Q.53 The following picture shows a board that needs to be painted.

10

5

30 degrees

45 degrees

The distances are in meters and angles in degrees. Painting a square meter of the board area costs Rs 1000. What is the overall cost for painting the board?

[A] Less than Rs. 1,00,985 [B] Approximately Rs. 1,21,650

[C] More than Rs. 1,50,000 [D] Approximately Rs. 95,650

Q.54 A and B are standing on the x-y plane at co-ordinates (2,2) and (3,2) respectively. Suppose C is at a distance of 1 unit from A and the angle CAB is 30 degrees, which of the following is TRUE?
[A] C is at a unit distance from B
[B] The angle ACB is 90 degrees
[C] C is in the same quadrant as A and B
[D] Distance from B to C is less than that between A and C

Q.55 Suppose Goa is 400km to the south of Mumbai and Dharwad is 150km to the east of Goa. Mr. X who is presently at Mumbai, plans to drive to Goa. Ms. Y who is at Dharwad wants to drive to Mumbai via Goa, taking a break of two hours at Goa. If both X and Y start at the same time, and X drives at a speed of 40kmph and Y drives at a speed of 60kmph, how long does it take from the start for X and Y to cross each other?

[A] 7 hours 30 minutes [B] 430 minutes

[C] 6 hours 42 minutes [D] 6 hours 10 minutes

Q.56 We have a coin, which if tossed, shows up the head with probability 2/5 and tail with probability 3/5. If a sequence of five independent tosses of the coin is made, what is the probability that the number of times the head seen is exactly two?

[A] 4/25 [B] 5/16 [C] 216/265 [D] 4/5

Q.57 Suppose A, B, C, D and E are mutual friends and they have no other friends on Facebook. A sends a message to one of his friends chosen at random. The friend who received the messages chooses one of his friends at random and forwards the message. What is the probability that A receives his own message as a forwarded message?

[A] 1/8 [B] 1/16 [C] 1/4 [D] ½

Q.58 The ratio of A's salary to that of B's is 2 : 3. A's salary is incremented annually by 22.5% (compounded) and B's salary is incremented annually by 20% (compounded). Ratio of A's salary to that of B's after two years is:

[A] 5 : 8 [B] 2 : 3 [C] 25 : 36 [D] 5 : 6

Q.59 How many days are there in x years, x^2 weeks and x days, ignoring leap years?

[A] $366x + 8x^2$ [B] $366x + 7x^2$ [C] $365x + 7x^2$ [D] $365x + 7x^2 + 1$

Q.60 The next element in the sequence 2, 5, 11, 23, 47, ___ is:

[A] 73 [B] 91 [C] 79 [D] 97

A company exports two types of goods, type-A and type-B. The following table shows the exports in tons, tax paid and profit for the years 2009-2014. Answer Q.61 to Q.63 based on the following table:

Year	Exports type - A	Exports type - B	Tax paid (in lakhs)	Profit (in lakhs)
2009	100	50	5	50
2010	120	100	10	60
2011	200	200	50	100
2012	220	200	50	150
2013	300	250	70	200
2014	500	500	100	600

Q.61 What is the average amount of tax paid in lakhs?

[A]   50   [B]   47.5   [C]   52.5   [D]   48.5
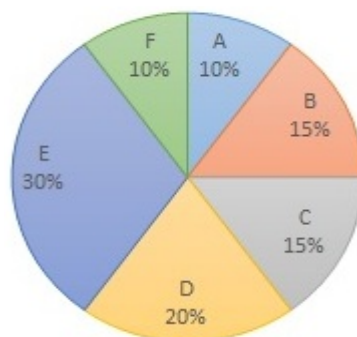
Q.62 Which of the following had the highest compounded average annual growth rate?

[A]   Export of type - A   [B]   Export of type - B

[C]   Tax paid   [D]   Profit earned

Q.63 Which year recorded the highest profit per unit of goods (both type – A and type – B) exported?

[A]   2012   [B]   2014   [C]   2013   [D]   2009

The following pie chart shows the distribution of grades in a class of 200 students. Answer Q.64 to Q.66 based on the chart:

Q.64 How many students in the class have received grades B or C?

[A]   30   [B]   60   [C]   90   [D]   120

Q.65 If A = 90 marks, B = 80 marks, C = 70 marks, D = 60 marks, E =40 marks and F = 10 marks, what is the average marks in the class?

[A]   61.5   [B]   51.5   [C]   59.5   [D]   56.5

Q.66 What is the central angle for the sector corresponding to grade B in the above chart?

[A]   3π/5   [B]   π/4   [C]   3π/10   [D]   10π/45

Answer Q.67 and Q.68 based on the following sequence of logical statements:

If Shama goes to school today, then today is not a holiday.

Shama goes to school today.

If it is raining now, then today is a holiday.

If it is not raining now, then today will be a pleasant day.

Q.67 Which of the following is a valid conclusion?

[A]   Today is a holiday   [B]   Today will be a pleasant day

[C]   It is raining now   [D]   None of the above

Q.68 Suppose in the above sequence of statements, the statement "Shama goes to school" is replaced by "Today will not be a pleasant day", and the remaining statements are left as they are. Then, which of the following is a valid conclusion?
[A]   Today is not a holiday
[B]   Shama does not go to school today
[C]   It is raining now and Shama goes to school
[D]   Shama does not go to school but it is not raining today

Answer Q.69 to Q.71 based on the following paragraph:

A datacenter has 7 employees named by letters A to G. A is the supervisor as well as a programmer. B reports to A and is a programmer. C and D report to B and are analysts. E reports to C as well as to D and is a programmer as well as an analyst. F works as a security consultant and reports to D. Finally, G is a programmer and reports to E.

Q.69 How many programmers work in the datacenter?

[A]   2   [B]   3   [C]   6   [D]   4

Q.70 How many programmers directly or indirectly report to D?

[A]   1   [B]   3   [C]   0   [D]   2

Q.71 Suppose that for any pair of employees x and y, if x reports directly to y, then y is older than x. Then, who is the second most elderly in the datacenter?

[A]   D   [B]   C   [C]   B   [D]   A

Q.72 Let A and B be two sets. Which of the following is always true?

[A]   A - (A∩B) = B - (B∩A)   [B]   AUB = AU(A∩B)

[C]   A = (A∩B)U(A-B)   [D]   AUB - A∩B = A-B

Section 3: Indian Economy (18 Questions)

Q.73 Monotonicity of preferences implies that the indifference curves are:

[A] Downward sloping   [B] Vertical straight line

[C] Grouped into an indifference map   [D] Fixed proportion curves

Q.74 Cobb-Douglass production function exhibits

[A] Increasing returns to scale   [B] Decreasing returns to scale

[C] Constant returns to scale   [D] Negative returns to scale

Q.75 The excess of private investment over savings of a country in a particular year was Rs.3000 million. The amount of budget deficit was (-) Rs.1500 million. What was the volume of trade deficit of that country for that particular year?

[A] Rs. 2000 million   [B] Rs. 1000 million

[C] Rs. 500 million   [D] Rs. 1500 million

Q.76 Which of the following is true with India's Gross Domestic Product (GDP) during the period 1999-2000 to 2009-2010?
[A] The share of agriculture and services increased, while that of secondary sector decreased
[B] The share of secondary sector and services increased, while that of agriculture decreased
[C] The share of agriculture and secondary sector increased, while that of services decreased
[D] The share of agriculture, secondary sector and services increased

Q.77 The mean age at marriage of females in India, according to the 2011 Census is

[A] 18.2   [B] 19.1   [C] 22.3   [D] 21.2

Q.78 The process by which the RBI undertakes an open market sale of government securities of an amount equal to the amount of foreign exchange inflow in the economy is called

[A] Varying Reserve Requirement   [B] Sterilization

[C] Deficit Financing   [D] Devaluation

Q.79 As of 2016, the share of nuclear electricity generation capacity in total installed electricity generation capacity in India is

[A]   Less than 2 percent   [B]   Less than 5 percent

[C]   More than 10 percent   [D]   More than 15 percent

Q.80 NAFED stands for
[A]   National Agricultural Co-operative Marketing Federation of India
[B]   National Agriculture Feeds Exports Division
[C]   National Agency for Farm Exports and Development
[D]   National Agency for Farm and Environment Development

Q.81 Which of the following is true with regard to India's exports since 2010?
[A]   Share of China in total exports increased, but OECD's share declined
[B]   Share of OECD increased, but OPEC's share declined
[C]   Share of Eastern Europe increased, but SAARC's share declined
[D]   Share of North America increased, but Japan's share declined

Q.82 The Expert Group to review the methodology for estimation of poverty in 2009 was headed by

[A]   Amartya Sen   [B]   S S Tharapore

[C]   S D Tendulkar   [D]   C Rangarajan

Q.83 Under perfect competition for a firm to maximize profits
[A]   Price must be greater than MC
[B]   Price must be greater than or equal to AVC in the short run
[C]   Price must be equal to AFC in the long run
[D]   Price must be less than MC

Q.84 "Capital in the Twenty First Century" was written by

[A]   Thomas Piketty   [B]   Robert Solow

[C]   Paul Krugman   [D]   Joseph Stiglitz

Q.85 National Investment Fund constituted in 2005 relates to

[A]   Disinvestment   [B]   Foreign Direct Investment

[C]   Foreign Portfolio Investment   [D]   Small Savings Investment

Q.86 The approach to the Eleventh Five Year Plan (2007-12) set the broad objective as

[A]   Growth with Stability   [B]   Growth with Social Justice

[C]   Growth with Equality   [D]   Faster and more Inclusive Growth

Q.87 The base year of the new series of National Income is

[A]   2011-12   [B]   2003-04   [C]   2004-05   [D]   2010-11

Q.88 Who among the following is eligible for a loan from MUDRA Bank?

[A]   Poor households   [B]   Small Manufacturing Units

[C]   Government Employees   [D]   Non-Government Organizations

Q.89 The RBI publishes figures for four alternative measures of Money Supply; M1, M2, M3 and M4. Which of these are known as 'narrow money'?

[A]   M1 and M2   [B]   M3 and M4   [C]   M2 and M3   [D]   M1 and M4

Q.90 Which of the following is a land locked harbor?

[A]   Vishakhapatnam   [B]   Mumbai

[C]   Kochi   [D]   Tuticorin

Section 4: Indian Society and Culture (18 Questions)

Q.91 Which of the following states in India rank first in the 'degree of urbanisation' according to the 2011 Census?

[A] Punjab [B] Tamil Nadu [C] Gujarat [D] Karnataka

Q.92 Infant mortality in India as per the 2011 census is

[A] 44/1000 live births [B] 24/1000 live births

[C] 14/1000 live births [D] 34/1000 live births

Q.93 The Jajmani system is

[A] a patron-client relationship [B] a form of marriage in ancient India

[C] a type of racial discrimination [D] another name for joint family

Q.94 The entrance exam for the Indian Civil service was held in India for the first time in

[A] 1864 [B] 1922 [C] 1939 [D] 1833

Q.95 Louis Dumont is known for his book

[A] Homo Hierarchicus [B] Caste and Tribes of South India

[C] A Village Survey [D] Caste Mobility in India

Q.96 RTI Act 2005 was inspired by
[A] 73rd and 74th Panchayati Raj Amendments
[B] The Representation of People Act 1951
[C] Amendment to Rajasthan Panchayati Raj Act 1996
[D] Kesavananda Bharathi Judgement of Supreme Court 1973

Q.97 Phulkari is an embroidery form from the state of

[A] Kashmir [B] West Bengal [C] Gujarat [D] Punjab

Q.98 "Sex and Destiny: The Politics of Human Fertility" was written by

[A] Martha Nussbaum [B] Germaine Greer

[C] Bina Agarwal [D] Simone De Beauvoir

Q.99 Which programme was launched to serve the differently-able community in India by the Department of Empowerment of Persons with Disability in 2015?

[A] Sukanya Yojana [B] Swavavlamban Abhiyan

[C] Sugamya Bharat Abhiyan [D] Uday-Ujwal Scheme

Q.100 Which among the Deccan States was the first to submit to the Mughals?

[A] Ahmadnagar [B] Khandesh [C] Golconda [D] Bijapur

Q.101 Name the Indian Ocean trade system in which merchants (both Indians and Europeans) gave cash and raw material advances to the artisans and later bought the finished products?

[A] Dadni [B] Cartaze [C] Damdupat [D] Khatbandi

Q.102 Who wrote "A History of Hindu Chemistry" (1902)?

[A] Samuel Davis [B] P.C. Ray

[C] P.N. Bose [D] Rueben Burrow

Q.103 Which among the following acts introduced 'Portfolio system' in the British Indian administration?

[A] Charter Act of 1853 [B] Government of India Act of 1858

[C] Indian Councils Act of 1861 [D] Indian Councils Act of 1892

Q.104 Which among the following doctrine does not belong to Jainism?

[A] Syadvada [B] Anekantavada

[C] Sunyavada [D] Nayavada

Q.105 The fable of 'Five Blind men and an Elephant' is attributed to:

[A] Buddhism [B] Jainism [C] Hinduism [D] Sikhism

Q.106 Who among the European travelers was closely associated with the Mughal court?

[A] Roberto Nobili [B] Duarte Barbosa

[C] Francois Bernier [D] Jean-Baptiste Tavernier

Q.107 When Gandhi was arrested during Salt Satyagraha, who was placed in charge of the next phase of agitations?

[A]   Abdul Kalam Azad   [B]   Abbas Tyyabji

[C]   Pherozeshah Mehta   [D]   Sardar Patel

Q.108 The phrase "Vasudaiva Kutumbakam" appears in one of the following texts. Identify the text.

[A]   Arthasastra   [B]   Tirukkural   [C]   Panchatantra [D]   Mahabharata

Section 5: World Affairs (18 Questions)

Q.109 The 'harm principle' advocated by J.S. Mill is applicable to actions that are:

[A] Self-interested

[B] Self-regarding

[C] Other-regarding

[D] Altruistic

Q.110 Identify the country that has suffered due to a majoritarian constitutional system:

[A] Pakistan [B] Belgium [C] Sri Lanka [D] India

Q.111 "The US is present in all parts of the world, in all sectors of the world and in all areas of technology." What does this quote signify? US is a

[A] Soft power hegemon

[B] Hard power hegemon

[C] Structural power hegemon

[D] Imperial hegemon

Q.112 The Cold War was a conflict between two dominant ideologies. Identify them.

[A] Liberal democracy and socialism

[B] Communitarianism and Liberalism

[C] Modernism and Conservatism

[D] Libertarianism and Marxism

Q.113 The logic of nuclear deterrence was pejoratively called:

[A] Mutually assured destruction

[B] Cold War doctrine

[C] Hot War strategy

[D] Proxy War tactics

Q.114 The foreign policy of the US is traditionally characterized as/by:

[A] Realism

[B] Neo-liberalism

[C] Liberalism

[D] Isolationism

Q.115 The UNCTAD Conference in 1972 was the harbinger of:

[A] NAM [B] NIEO [C] NATO [D] CENTO

Q.116 Who among the following was overthrown by Fidel Castro in 1959?

[A] Augusto Pinochet

[B] Fulgencio Batista

[C] Juan Peron

[D] Salvador Allende

Q.117 In whose period did the 'Era of Stagnation' begin in Soviet Union?

   [A]   Leonid Brezhnev   [B]   Yuri Andropov

   [C]   Konstantin Chernenkov   [D]   Georgy Malenkov

Q.118 In 1960, the Sharpeville Massacre took place in which African nation?

   [A]   South Africa [B]   Kenya   [C]   Zimbabwe   [D]   Congo

Q.119 Name the composer who has scored music for the movie "Pele: Birth of a Legend".

   [A]   Leonid Bernstein   [B]   A.R. Rahman

   [C]   Hans Zimmer   [D]   Andrew Lloyd Weber

Q.120 Who among the following is a Conductor of a Classical Symphony Orchestra?

   [A]   Freddie Mercury   [B]   Yehudi Menuhin

   [C]   Yitshak Perelman   [D]   Zubin Mehta

Q.121 American political thinker John Rawls described a self-imposed sense of fairness irrespective of one's own station as:

   [A]   Veil of ignorance   [B]   Affirmative action

   [C]   Positive discrimination   [D]   Original position

Q.122 Among the BRICS nations, identify the country that has the lowest HDI:

   [A]   Russia   [B]   Brazil   [C]   South Africa [D]   India

Q.123 Boxer Muhammad Ali was banned and stripped of his title for
   [A]   Refusing to be a part of the US Army during the Vietnam War
   [B]   Refusing to represent US in Olympics
   [C]   Misbehaving in the boxing ring
   [D]   Testing positive for drugs

Q.124 In the film Steve Jobs (2015) who played the role of Jobs

   [A]   Michael Fassbender   [B]   Ashton Kutcher

   [C]   Leonardo Di Caprio   [D]   Tom Hardy

Q.125 Jeff Bezos is the founder of

    [A]   Amazon   [B]   Tesla Motors [C]   Uber   [D]   Google

Q.126 Who is the author of the book "Winged Fire"?

    [A]   A.P.J Abdul Kalam   [B]   Ramachandra Guha

    [C]   Valmik Thapar   [D]   Sunil Khilanani

Section 6: Environment and Ecology (18 Questions)

Q.127 The silent valley forest in Kerala State falls in the category of:

    [A]   Tropical deciduous forest   [B]   Tropical rain forest

    [C]   Tropical Scrub forest   [D]   Evergreen coniferous forest

Q.128 The 'Blue Baby Syndrome' (methamoglobinemia) in infants is caused by

    [A]   Nitrate pollution of ground water   [B]   Arsenic pollution of ground water

    [C]   Fluoride pollution of ground water   [D]   Chromium pollution of ground water

Q.129 Salt water intrusion in coastal region is caused by

    [A]   Dropping water table   [B]   Diminishing reservoir capacity

    [C]   Dropping river flows   [D]   Climate change

Q.130 Who amongst the following scientists was awarded the 'Nobel Peace Prize' for contribution to Green Revolution

    [A]   MS Swaminathan   [B]   Norman Borlaug

    [C]   Kailas Nath Kaul   [D]   Sewall Wright

Q.131 Biofuels are classified as renewable source of energy because:
    [A]   No new Carbon Dioxide is being released to the atmosphere during its usage
    [B]   The source of biofuel is not fossils
    [C]   The production of biofuel uses only solar energy
    [D]   It is highly preferred over petrol or diesel

Q.132 The 'flow of energy' in an ecosystem is:

    [A]   Unidirectional   [B]   Bidirectional

    [C]   Multidirectional   [D]   Cyclic

Q.133 The species richness of an ecosystem is called as

    [A]   Ecosystem richness   [B]   Biodiversity

    [C]   Bio-enrichment   [D]   Forest

Q.134 'Sound' becomes hazardous noise pollution at decibels

[A]   Above 50   [B]   Above 80   [C]   Above 100   [D]   Above 130

Q.135 In an ecosystem, bacteria are the

[A]   Producers   [B]   Primary consumers

[C]   Secondary consumers   [D]   Decomposers

Q.136 Taj Mahal is under environmental degradation threat due to

[A]   Sulphur Dioxide   [B]   Carbon Monoxide

[C]   Carbon Dioxide   [D]   Water Vapour

Q.137 Use of microorganism metabolism to remove pollutants from soil/water is known as

[A]   Bio-augmentation   [B]   Bio-remediation

[C]   Bio-magnification   [D]   Bio-mechanization

Q.138 The highest per capita emitter of Carbon Dioxide is

[A]   United States of America   [B]   China

[C]   India   [D]   Qatar

Q.139 Which of the following Indian States/Union Territory has the maximum percentage of mangrove forests cover?

[A]   Gujarat   [B]   West Bengal

[C]   Kerala   [D]   Andaman and Nicobar

Q.140 In an area, where DDT (dicholorodiphenyl trichloro ethane) has been used extensively, the bird population declines significantly because
[A]   Birds could not survive due to lack of food
[B]   Many of the eggs laid by birds did not hatch
[C]   Birds stopped laying eggs
[D]   Earthworms in the area got affected

Q.141 Most hazardous metal pollutant of the automobile exhaust is

[A]   Lead   [B]   Mercury   [C]   Cadmium   [D]   Copper

Q.142 Pollutants that have long lasting ill-effects on the environment are

[A]   Smoke and Chimney   [B]   Sulphur Dioxide

[C]   Pesticides   [D]   Carbon Monoxide

Q.143 Biochemical Oxygen Demand (BOD) in river water
[A]   Increases when sewage gets mixed with river water
[B]   Remains unchanged when algal bloom occurs
[C]   Has no relationship with the concentration of oxygen in the water
[D]   Indicates the quantity of salmonella present in the water

Q.144 The Cauvery river water sharing agreement was
[A]   Signed in 1892 and amended in 1924
[B]   Signed in 1924 and amended in 2000
[C]   Signed in 1947 and amended in 1996
[D]   Signed in 1956 and amended in 2015

END OF PART-I

Write an essay on one of the following topics. You may use the outline given in the brackets.

Max Time: 40 minutes; Max Marks: 30; Max words: 500 (approx).

1. "India's preparedness for mitigating natural hazards is low despite advances in technology". Do you agree? Give reasons.

    (Outline: Types of hazards, Historical overview, Natural hazard warning systems, Relief and Systemic Lacunae)

2. Entertainers (for example, musicians, actors) should not be given the highest awards, such as Nobel Prize, since they make very little contribution to society. Discuss and Justify.

    (Outline: Social responsibility, Life style, Image stereotype, Celebrity worship, Public perception, and Tangible contribution to the social welfare)

3. Digital empowerment is the order of the day. Can digital divide become a democratic divide? Analyze.

    (Outline: Digital access, Education, Skill development, Social inclusion and equity, Employment, Knowledge economy and Technology diffusion)

<p style="text-align:center">**END OF QUESTION PAPER**</p>