

A

Question Booklet Number

163973**B.Tech. DEGREE EXAMINATION, MAY 2019****15 PD 302 – EMPLOYABILITY SKILLS**

(For the Candidates Admitted from the Academic Year 2015 - 2016 to 2017 - 2018)

Time : Two Hrs.

Max. Marks : 100

Name of the Candidate : _____

Register Number:

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Signature of the Candidate : _____

INSTRUCTIONS TO THE CANDIDATE

1. The Question Booklet contains 80 Questions.
2. **ANSWER ALL** the questions. **This paper contains TWO parts.**
3. **CALCULATORS OR ANY OTHER MATHEMATICAL DEVICES ARE NOT ALLOWED.**
4. Write your **NAME, REGISTER NUMBER** and put your **SIGNATURE** in the places specified on the first page of this Question Booklet.
5. Do not open this Question Booklet until the Hall Superintendent signals the commencement of the examination.
6. Check whether the Answer Sheet and the Question Booklet are in good condition. If not, before writing anything on the Answer Sheet, ask for the replacement of the Question Booklet/Answer Sheet.
7. Write and shade your **REGISTER NUMBER**, in the specified place in the **OMR** coding sheet.
8. Write and shade the question paper version code in the specified place in the **OMR** coding sheet.
9. Answer should be shaded with **BLUE** or **BLACK BALL PEN** in the coding sheet.
10. All instructions given in the **OMR** coding sheet should be strictly followed.
11. Use Answer Sheet carefully. No spare Answer Sheet will be given.
12. The answer should be given only in the Answer Sheet.
13. The last few pages of the Question Booklet are blank, except for the words 'Rough Work'. You can use them for any rough calculations.

**PART – A****(50 Marks)****Instructions:**

- (i) Question number 1 to 10 carries 2 marks each.
(ii) Question number 11 to 40 carries 1 mark each.

1. Which of the following number is divisible by 4?
(A) 2001 (B) 2007 (C) 2008 (D) 3003
2. Ratio of Ashok's age to Preethi's age is equal to 4:3. Ashok will be 26 years old after 6 years. How old is Preethi is now?
(A) 12 years (B) 15 years (C) 19 years (D) 21 years
3. In how many ways can the letters of the word "WATER" be arranged?
(A) 64 (B) 120 (C) 720 (D) 440
4. Parthi and Ram can complete a work together in 20 days. If Parthi alone can complete the work in 36 days, find the number of days Ram alone will take to complete the job.
(A) 60 days (B) 70 days (C) 40 days (D) 45 days
5. A speed of 16 metre per second is the same as.
(A) 40.3 km / hr (B) 57.6 km / hr (C) 50.16 km / hr (D) 43.3 km / hr
6. What is 13% of 3000?
(A) 390 (B) 700 (C) 400 (D) 440
7. Average of five consecutive numbers is 35. Find the greatest number in that five numbers.
(A) 36 (B) 35 (C) 39 (D) 37
8. Venkat is younger than Danny by 7 years. If their ages are in the ratio of 7 : 9, how old is Venkat ?
(A) 16 years (B) 28 years (C) 18.5 years (D) 24.5 years



9. A tennis court has a length of 29 units and a breadth of 20 units. Find the area of the tennis court.
(A) 841 units (B) 40 units (C) 290 units (D) 580 units
10. Find the next number in the series :
50, 55, 58, 63, 66, 71, 74, ?
(A) 79 (B) 80 (C) 90 (D) 95
11. Calculate the simple interest for 9000 at 3% per annum for 3 years.
(A) 810 (B) 8100 (C) 910 (D) 9100
12. Find the unit digit of $36^{36} \times 31^{31}$.
(A) 1 (B) 6 (C) 7 (D) 0
13. If A,B,C,D,E are five consecutive odd numbers, their average is,
(A) $5(A+4)$ (B) $A+4$ (C) $5(A+B+C+D+E)$ (D) $5A$
14. A number when increased by 25% become 150. Find the original number.
(A) 120 (B) 140 (C) 150 (D) 70
15. The ratio between two number is 5 : 8. If 8 is subtracted from both the numbers, the ratio become 1 : 2. The smaller number is,
(A) 10 (B) 15 (C) 20 (D) 25
16. In how many ways can the letters of the word "CALLANDER" is arranged?
(A) 90072 (B) 80073 (C) 90720 (D) 70720
17. A die is rolled, find the probability that the die shows an odd number.
(A) $\frac{1}{8}$ (B) $\frac{3}{4}$ (C) $\frac{1}{9}$ (D) $\frac{1}{2}$
18. It is 4'O clock. What is the measure of the angle between the hour hand and the minute hand.
(A) 120 (B) 130 (C) 100 (D) 90



19. **A** and **B** can complete a work in 10 and 15 days respectively. In how many days, the work will be completed if both of them work together?
(A) 70 days (B) 6 days (C) 4 days (D) 5 days
20. A motor car takes 50 second to travel 500 metre. What is its sped in m/s?
(A) 9 m/s (B) 4 m/s (C) 10 m/s (D) 6 m/s
21. What is the value of $\log_{10} 10$?
(A) 3 (B) 4 (C) 2 (D) 1
22. Solve the equation: $x^2 + 4x + 4 = 0$
(A) -2 (B) -3 (C) -4 (D) -5
23. Find the volume of the cuboid $2m \times 3m \times 4m$.
(A) $9 m^3$ (B) $14 m^3$ (C) $44 m^3$ (D) $24 m^3$
24. What is the intersection of the following pairs of sets.
A = { Letters of the word '**COMPUTER**' }
B = { Letter of the word '**CALCULATOR**' }
(A) { **C,U,T,O,R** } (B) { **C,A** } (C) { **A,TU** } (D) { **O** }
25. What should come next in the given series?
3, 6, 12, 24, 48, _____
(A) 38 (B) 44 (C) 94 (D) 96
26. What should come next in the given series **ABC, EFG, IJK, MNO, QRS, _____**
(A) **UVW** (B) **UWP** (C) **DGH** (D) **UWV**
27. If **A** is brother of **B**, **B** is sister of **C**, **C** is the father of **D**, how **A** is related to **D**?
(A) Brother (B) Father (C) Daughter (D) Uncle



28. A, B, C, D and E are sitting in a row facing North. E is in the middle of the row, A and C are in the extreme ends. B is sitting to the immediate left of A. Who is sitting to the immediate right of E?
(A) C (B) D (C) B (D) A
29. Find the alternative which replace the question mark:
Ice : Cold :: Earth : ?
(A) Weight (B) Jungle (C) Sea (D) Gravity
30. Choose the word which is different from rest (i.e.) four words have been given out of which three are alike in some manner, while one is different.
(A) Eagle (B) Ostrich (C) Duck (D) Penguin

Directions for Questions 31-35 :

In each of the question below, it consists of a question and two statements numbered I and II. Decide whether the data provided in the statement are sufficient to answer the question. Read both the statement and given answers option.

- (A) If data in statement I alone are sufficient to answer the question, while II alone are not sufficient to answer the question.
(B) If data in statement II alone is sufficient to answer the question, while I alone is not sufficient to answer the question.
(C) If data either in statement I alone or II alone are sufficient to answer the question.
(D) If the data given in both statement I and II together are not sufficient to answer the question.
31. **Question:** In which year Rahul Born?
Statement:-
I. Rahul is two year elder than his brother.
II. Rahul is 22 year younger than his mother.
(A) I alone is sufficient while II is not sufficient.
(B) II alone is sufficient while I alone is not sufficient
(C) Either I or II is sufficient
(D) Neither I nor II is sufficient



32. **Question :** What is the total weight of 10 boys?

Statement:-

- I. Average weight of 10 boys is 40 kg.
- II. Weight of one boy is five more than the other.

- (A) I alone is sufficient while II alone is not sufficient.
- (B) II alone is sufficient while I alone is not sufficient.
- (C) Either I or II is sufficient
- (D) Neither I nor II are sufficient

33. **Question:-**

How is **H** related to **M**?

Statement:-

- I. **H** is brother of **L**.
- II. **M** is son of **K** who is wife of **H**.

- (A) I alone is sufficient while II alone is not sufficient.
- (B) II alone is sufficient while I alone is not sufficient
- (C) Either I or II is sufficient
- (D) Neither I nor II are sufficient.

34. **Question:-**

How many money do **A** and **B** have together?

Statement:-

- I. **C** has 20 rupees less than what **B** has.
- II. **B** has 30 rupees more than what **A** has.

- (A) I alone is sufficient while II alone is not sufficient.
- (B) II alone is sufficient while I alone is not sufficient
- (C) Either I or II is sufficient
- (D) Neither I or II is sufficient



35. **Question:**

What is the Ratio of A and B ?

Statement :

I. A is 25.

II. A is twice that of B.

(A) I alone is sufficient while II alone is not sufficient.

(B) II alone is sufficient while I alone is not sufficient.

(C) Either I or II is sufficient.

(D) Neither I or II is sufficient.

Directions for questions 36-40 :

Following table shows number of players from different state who participated in Asian Athletics Sport event:

Event	TN	AP	Kerala	MP
High Jump	10	14	12	9
Long Jump	11	13	10	8
Shot Put	6	4	3	9
Judo	10	12	13	12

36. The ratio between the number of player in short put for TN and MP is,

(A) 2 : 3

(B) 4 : 5

(C) 6 : 11

(D) 4 : 3

37. Average number of players participated in the event from Kerala is,

(A) 4.5

(B) 10.5

(C) 9.5

(D) 11.5

38. In which state, there were more number of participants?

(A) TN

(B) AP

(C) Kerala

(D) MP

39. In which two states, there were equal number of total participants?

(A) Kerala , TN

(B) TN, MP

(C) AP, TN

(D) Kerala , MP

40. Approximately, the number of participants in Judo is how much percentage more than the participants in shortput?

(A) 114 %

(B) 150 %

(C) 220 %

(D) 130 %



PART – B

(50 Marks)

Instructions:

- (i) Question number 41 to 50 carries 2 marks each.
- (ii) Question number 51 to 80 carries 1 marks each.

In each of the question below, four different ways of writing a sentence / the underlined part are indicated. Choose the best way of writing the sentence.

41. According to a recent study, financial problems, together with their serious ramifications, ranks as one of the high causes of marital stress in America.
- (A) Ranks as one of the high causes of marital stress in America
 - (B) Rank as one of the leading causes of marital stress in America
 - (C) Rank as one of the most high causes of marital stress in America
 - (D) Rank as one of the leading causes of marital stress in America.
42. The mole is a nocturnal insectivorous mammal regarded as pests by gardeners because of their burrowing activity spoiling lawns and gardens.
- (A) Regarded as pests by gardeners because of their burrowing activity spoiling
 - (B) Regarded to be pests by gardeners because of their burrowing activity's spoiling
 - (C) Regarded as a pest by gardeners because of burrowing activity spoiling
 - (D) Regarded as a pest by gardeners because its burrowing activity spoils.
43. After the Detroit Lions' abysmal zero win and 16 loss season in 2008, the owner of the team fired the head coach. In the days that followed this decision, one professional sporting analyst said: "The prospects of the Lions becoming a competitive franchise depends on if the team can procure a talented and disciplined coach."
- (A) Depends on if
 - (B) Depends on whether
 - (C) Depend on whether
 - (D) Depend on if,

Choose the pair that has the similar relationship with that of the question pair.

44. Cow : Herd
- (A) Grass : Green
 - (B) Peacock : Muster
 - (C) Bald : Hair
 - (D) Horse : Jockey



45. Germ : Disease
(A) Man : Woman (B) War : Destruction
(C) Doctor : Medicine (D) Owner : Shop

Rearrange the following sentences to form a coherent paragraph.

46. P. otherwise the Congress would not have opposed PSU disinvestment today.
Q. It is clear that there is no consensus on economic reform
R. Nor would allies of ruling NDA oppose privatization
S. All this would stop India from becoming the next super power.
(A) Q P R S (B) P Q S R (C) P Q R S (D) Q R P S

47. P. Sony has been valued at around ₹ 800 crore.
Q. IBM is a leading consultancy firm
R. This valuation has been done by IBM
S. They have relied on the excess value approach
(A) S P Q R (B) Q P S R (C) P Q S R (D) P R Q S

Read the argument and answer the question that follows:

48. A highly cohesive work group is a prerequisite for high team performance. Sociologists point out that the association between success and group cohesion owes to the support individual team members give to one another and their acceptance of the group's activities and goals.
Each of the following, if true, either supports or cannot weaken the sociologists' assumption about the relationship between success and cohesion EXCEPT.
- (A) A group of Japanese researchers found that the successful work team were led by dominant leaders.
(B) University researchers found that there was a significant correlation between team productivity and the extent to which team members understood and complied with the group's objective.
(C) American researchers found that successful team member tended to rate their fellow members more favourably.
(D) Industrial Psychologists of UK found that work groups who tended to participate in after- hours social activities were more productive.



49. There are several scientific studies and research findings that are constantly discussed and publicized in the news media. Some of these are contrary to other research studies that are published. This conflict in information makes people believe that either science is inaccurate or that they can 'choose' which scientific result they want to believe in. However, neither of these beliefs is accurate. Science is not inaccurate or subjective. Most of the time, scientific studies show inconsistent results either because of inaccuracies in methodology adopted or because of misrepresentation of actual result by the news media. For example, a recent study done on just 15 women showed that eating chocolate was necessarily harmful during pregnancy and the media reported that chocolate was actually beneficial to the foetus.

Which of the following best supports the author's argument.

- (A) A steady result that shows that the effects of automobile pollution on global warming is marginal.
 - (B) An unverified study gaining popularity because it seemingly showed that red wine reduce the risk of cancer on a very small control group.
 - (C) A new study that further collaborates an earlier finding that the consumption of some types of berries lower the risk of heart failure.
 - (D) The news media highlighting the fact that a study had clearly proven that effects of certain drugs on rats need not be the same as on humans.
50. In 1999, the Institute of Medicine reported that nearly 100,000 people die each year from medical errors in hospital in the United States. That annual total may now exceed 400,000 according to a 2013 study. Moreover, the number of error-related deaths per 1000 patients may have tripled. Wrong-site surgeries, medication errors, and infections due to failures of care remain among the most common mistakes. Clearly, therefore, despite efforts by United States hospitals to prevent those kinds of errors, patient safety declined significantly after 1999.

Which of the following, if true, most seriously weakens the argument?

- (A) Although the rate of healthcare – associated infections rose overall after 1999, some United States hospitals reduced the rate of such infections among their patients, according to the 2013 study.
- (B) The number of patients receiving care in United States hospitals rose significantly after 1999.
- (C) The 2013 study reported a lower number of wrong-site surgeries per 1000 patients in the United States hospital compared to the 1999 study.
- (D) A 2005 federal law created patient safety organizations to collect and analyse confidential reports of harmful medical errors and other patient safety information from United States hospitals.



Read the passage and answer the questions that follow.

Discussions on drug addiction should also be concerned with the vast majority of people who are not addicts. Their homes and lives are insecure because our narcotics laws drive such people to crime. The drug addict is almost never dangerous when he is under the influence of drugs. What makes him dangerous is the desperate need for money to buy the next dose. Drugs are available only in an illegal black market. The costs are stupendous and this is what drives the addict to steal, rob and even kill.

51. The tone of the author of the passage can be all of the following EXCEPT
(A) Informative (B) Critical (C) Revealing (D) Metaphorical
52. The word 'Stupendous' in the passage means
(A) Very high (B) Foolish (C) Shocking (D) Illegal
53. The author seems to criticize the narcotics law for
(A) Being too lenient (B) Being too complicated
(C) Being in effective (D) Driving addicts to crime
54. Addicts take to criminal acts because
(A) Drugs make them lose self-control
(B) The habit of robbing and stealing is hard to break
(C) They need large sums of money to buy drugs
(D) Law is powerless against them
55. According to the author, discussions of drug addiction are generally concerned with
(A) Addicts (B) Non-addicts (C) Criminals (D) Black marketers.

Choose the antonyms of the underlined word :

56. She is outgoing and gregarious.
(A) Cheerful (B) Friendly (C) Unfriendly (D) Talkative



57. The delectable meal we had made us long for more.
(A) Heavy (B) Unsavory (C) Tasty (D) Colourful
58. He was asked to accelerate the pace of work.
(A) Supervise (B) Slacken (C) Control (D) Check
59. Punishment is less severe for peccadillo.
(A) Slight offence (B) Trivial sin (C) Major crime (D) Burglary
60. Retard
(A) Slacken (B) Decelerate (C) Speed up (D) Testify
61. Amused
(A) Frightened (B) Jolted (C) Astonished (D) Saddened
62. Meager
(A) Continous (B) Fabulous (C) Hard (D) Adequate

Choose the option that best completes the sentence semantically / grammatically :

63. The movie offended many of the parents of its younger viewers by including ____ in the dialogue.
(A) Vulgarity (B) Verbosity (C) Garishness (D) Tonality
64. Phillip's ____ tone endeared him to his comical friends, but irritated his serious father.
(A) Aloof (B) Jestng (C) Grave (D) Earnest
65. Brian's pale Irish skin was ____ to burn if he spent too much time in the sun.
(A) Prone (B) Urbane (C) Eminent (D) Daunted
66. He ____ out five minutes ago.
(A) Has gone (B) Had gone (C) Go (D) Went



67. You will not succeed ____ you work hard.
(A) Unless (B) If (C) Because (D) Since
68. He works ____ all day.
(A) More (B) Hard (C) Hardly (D) Almost

Choose the synonym of the underlined word :

69. The lecturer's sudden shout woke the dormant audience.
(A) Quiet (B) Inactive (C) Dynamic (D) Zestful
70. A life time of hard work had enervated his very soul.
(A) Rejuvenated (B) Galvanized (C) Enfeebled (D) Catalysed
71. Though the student did not do well in his college, there was no sign of lethargy in him.
(A) Serenity (B) Stupor (C) Vivacity (D) Vigour
72. The book is easily the biggest compendium of hypocrisy, dishonesty and humbug ever printed.
(A) Summary (B) Index (C) Reference (D) Glossary
73. Abandon
(A) Try (B) Join (C) Forsake (D) Hold
74. Camouflage
(A) Aggressive (B) Deception (C) Vigilant (D) Honour
75. Conceal
(A) Harvest (B) Explore (C) Clear (D) Obscure



Identify the part of the sentence that contains an error. If there is no error, choose "No error" option :

76. When he was (A)/questioned by the police, (B)/he said he (C)/hadn't seen nothing (D).
77. Me and Barry (A)/went swimming (B)/on Saturday (C)/no error (D).
78. A leopard never changes (A)/the spots (B)/on its body (C)/isn't it (D).
79. One should (A)/have their teeth (B)/checked every six months (C)/No error (D).
80. He is the (A)/most cleverest (B)/person I have (C)/ever met (D).

