

Entrance Examinations - 2021
Ph.D. Management Studies

Maximum Marks : 70

Time : 2 Hours

Hall Ticket No.

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General Instructions :

1. Write your Hall Ticket Number in the OMR Answer Sheet and a separate answer book given to you. Also write the Hall Ticket Number in the space provided above.
2. **This question paper consists of Two Parts – Part ‘A’ and Part ‘B’** which carries 70 objective type questions of one mark each for a total of 70 marks.
3. Answers are to be marked on the OMR answer sheet following the instructions provided thereupon.
4. Hand over the OMR answer sheet at the end of the examination to the Invigilator.
5. No additional sheets will be provided. Rough work can be done in the question paper itself.
6. Calculators, mobile phones and electronic gadgets are not allowed.

Part - A

1. What are the two goals of theory?
 - (A) Speculation and confirmation
 - (B) Understanding and predicting
 - (C) Deducting and inducting
 - (D) Abstraction and concretization
2. In theory development, which of the following is the level of knowledge expressing a concept that exists only as an idea or a quality apart from an object?
 - (A) Empirical level
 - (B) Primary level
 - (C) Conceptual level
 - (D) Abstract level
3. Which of the following is a statement explaining the logical linkage among certain concepts by asserting a universal connection between concepts?
 - (A) Hypothesis
 - (B) Proposition
 - (C) Construct
 - (D) Theory
4. Which type of business research address who, what, when, where, why, and how questions?
 - (A) Causal research
 - (B) Exploratory research
 - (C) Descriptive research
 - (D) Proscriptive research
5. In research, anything that varies or changes from one instance to another is called a:
 - (A) Variable
 - (B) Constant
 - (C) Category
 - (D) Classification

6. Research that is conducted to clarify the nature of a research problem is called _____ research.
- (A) Exploratory
 - (B) Judgmental
 - (C) Descriptive
 - (D) Convenience
7. Titan has noticed that companies that advertise a lot seem to have higher sales than those that do not. His use of secondary data to help specify this relationship is an example of:
- (A) Data conversion
 - (B) Validation
 - (C) Reliability
 - (D) Model building
8. The tendency for respondents to agree with most questions in a survey is known as:
- (A) Auspices bias
 - (B) Interviewer bias
 - (C) Extremity bias
 - (D) Acquiescence bias
9. Longitudinal studies that survey several different samples at different times are called:
- (A) Cohort studies
 - (B) Structured studies
 - (C) Segmented studies
 - (D) Linked studies
10. All of the following are advantages of Internet surveys EXCEPT:
- (A) Random sampling
 - (B) Speed
 - (C) Visual appeal
 - (D) Accurate real-time data capture
11. Ram lent Rs. 5,000 to Shyam for 2 years and Rs. 3,000 to Hari for 4 years on simple interest at the same rate of interest and received Rs. 2,200 in all from both of them as interest. The rate of interest per annum is:
- (A) 5%
 - (B) 7%
 - (C) 10%
 - (D) 11%

12. What is the length of the platform, in which a train 130 metres long and travelling at 45 km/hr can cross in 30 seconds, is:
- (A) 195 m
(B) 245 m
(C) 235 m
(D) 240 m
13. Find the wrong number in the following number series: 4, 5.1, 7.3, 10.6, 15, 20, 27.1?
- (A) 5.1
(B) 4
(C) 20
(D) 7.3
14. Ratio of present ages of Peter and Harry is 16:7. After 12 years, Peter's age is twice of Harry's age, then find present ages of Peter and Harry?
- (A) 66 yr; 22 yr
(B) 80 yr; 35 yr
(C) 96 yr; 42 yr
(D) 98 yr; 45 yr
15. An entrepreneur financed a certain amount in a scheme X at 15% p.a. for 2 years and earned Rs 1,950 crores as simple interest. He increased his sum by Rs. 'P' and invested in another scheme Y at 10% p.a. Compound Interest for 2 years and received Rs. 1,680 crores as compound interest. Find the value of 'P'?
- (A) Rs. 1,800crores
(B) Rs. 1,200crores
(C) Rs. 1,500 crores
(D) Rs. 1,850crores

Directions (16 - 20): Study the following information carefully and answer the questions given below:

There are 9 cardboards named A, B, C D, E, F, G, H and I are placed one above other but not necessarily in the same order. Only 5 cardboards are placed between A and C. E is placed immediate above C. Only three cardboards are placed between E and D. As many cardboards placed between A and D as between B and E. F is placed below B, but not at bottom. More than 4 cardboards are placed between E and F. One cardboard is placed between F and G. Cardboard I is placed above cardboard H.

16. Which cardboard is placed at bottom?
- (A) A
 - (B) D
 - (C) G
 - (D) I
17. How many cardboards are placed between I and A?
- (A) 1
 - (B) 2
 - (C) 3
 - (D) 4
18. If in a certain way D is related to I and A is related to H then by which among the following B is related?
- (A) A
 - (B) C
 - (C) G
 - (D) E
19. Which cardboard is placed immediate above and immediate below B?
- (A) D and I
 - (B) I and F
 - (C) F and D
 - (D) C and H
20. What is the position of H?
- (A) 4th from the top
 - (B) 3rd from the bottom
 - (C) 4th from the bottom
 - (D) 6th from the bottom

Directions (21 - 25): Study the following information carefully and answer the questions given below:

Expenditures of A Company (in Lakh Rupees) per Annum Over the given Years

Year	Item of Expenditure				
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
1998	288	98	3.00	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	98

21. What is the average amount of interest per year which the company had to pay during this period?
- (A) Rs. 32.43 lakhs
 (B) Rs. 33.72 lakhs
 (C) Rs. 34.18 lakhs
 (D) Rs. 36.66 lakhs
22. The total amount of bonus paid by the company during the given period is approximately what percent of the total amount of salary paid during this period?
- (A) 0.1%
 (B) 0.5%
 (C) 1%
 (D) 1.25%
23. Total expenditure on all these items in 1998 was approximately what percent of the total expenditure in 2002?
- (A) 62%
 (B) 66%
 (C) 69%
 (D) 71%
24. The total expenditure of the company over these items during the year 2000 is?
- (A) Rs. 544.44 lakhs
 (B) Rs. 501.11 lakhs
 (C) Rs. 446.46 lakhs
 (D) Rs. 478.87 lakhs

25. The ratio between the total expenditure on Taxes for all the years and the total expenditure on Fuel and Transport for all the years respectively is approximately?
- (A) 4:7
(B) 10:13
(C) 15:18
(D) 5:8
26. Tick the correct one:
- (A) Every rational number is a natural number
(B) 5 and 7 are co-primes
(C) 1000 rational numbers can't be inserted between 10 and 100
(D) $\sqrt{5.29}$ is a rational number greater than 7
27. Which of the following is an irrational number between 2 and 3:
- (A) 2.457457457.....
(B) 2.100100010000.....
(C) 2.0513131313....
(D) 2.57898989
28. If $3\frac{1}{4} + 2\frac{1}{2} - 1\frac{5}{6} = \frac{x^2}{10} + 1\frac{5}{12}$ then what is "x-5"?
- (A) $\sqrt{5}$
(B) 5
(C) 0
(D) 25
29. Probability of second event in situation if first event has been occurred is classified as:
- (A) Series probability
(B) Conditional probability
(C) Joint probability
(D) Dependent probability
30. In probability theories, events which can never occur together are classified as:
- (A) Collectively exclusive events
(B) Mutually exhaustive events
(C) Mutually exclusive events
(D) Collectively exhaustive events

31. Let n be the number of different 5 digit numbers, divisible by 4 with the digits 1, 2, 3, 4, 5 and 6, no digit being repeated in the numbers. What is the value of n ?
- (A) 144
(B) 168
(C) 192
(D) 224
32. The angle between the minute hand and the hour hand of a clock when the time is 8.30, is:
- (A) 80°
(B) 75°
(C) 60°
(D) 105°
33. It was Sunday on Jan 1, 2006. What was the day of the week Jan 1, 2010?
- (A) Sunday
(B) Saturday
(C) Wednesday
(D) Friday
34. Statements: No women teacher can play. Some women teachers are athletes.
- Conclusions:
- I. Male athletes can play.
II. Some athletes can play.
- (A) Only conclusion I follows
(B) Only conclusion II follows
(C) Either I or II follows
(D) Neither I nor II follow
35. Statements: All artists are smokers. Some smokers are drunkards.
- Conclusions:
- I. All smokers are artists.
II. Some drunkards are not smokers.
- (A) Only conclusion I follows
(B) Only conclusion II follows
(C) Either I or II follows
(D) Neither I nor II follows

Part – B

36. The cycle time, selected in balancing a line must be:
- (A) Must be greater than the smallest time element given in the problem
 - (B) Must be less than the highest time element given in the problem
 - (C) Must be slightly greater than the highest time element given in the problem
 - (D) Left to the choice of the problem solver
37. Identify which one of the following is NOT the objective of the maintenance:
- (A) To keep all production facilities and allied facilities in an optimum working condition
 - (B) To ensure specified accuracy to products and time schedule of delivery to customers
 - (C) To keep the down time of the machine at the maximum
 - (D) To keep the production cycle within the stipulated range
38. Which one of the following statements is NOT correct?
- (A) LFT is calculated from the LFT of the head event
 - (B) Slack can be calculated by adding EFT and LFT of any job
 - (C) EFT is the sum of the EST and the time of duration for any event
 - (D) The Total Project time is the shortest possible time required in completing the project
39. Assuming no safety stock, what is the re-order point (R) given an average daily demand of 50 units, a lead time of 10 days and 625 units on hand?
- (A) 550
 - (B) 700
 - (C) 715
 - (D) 450
40. If annual demand is 12,000 units, the ordering cost is Rs.6 per order and the holding cost is Rs. 2.50 per unit per year, which of the following is the optimal order quantity?
- (A) 576
 - (B) 120.4
 - (C) 60.56
 - (D) 240
41. In a PERT/CPM network, computing the critical path requires:
- (A) Determining the total project duration
 - (B) Assigning the earliest finish time for an activity as the earliest start time for the next
 - (C) That the latest finishing time for an activity not delay the overall project beyond initial expectation
 - (D) A sophisticated and complex computer program

42. Which of the following is not included in the function of physical supply?
- (A) Standardization
 - (B) Storage
 - (C) Packaging
 - (D) Transportation
43. The practice of using the established brand names of two different companies on the same product is termed as _____:
- (A) Manufacturer brand
 - (B) Private brand
 - (C) Brand licensing
 - (D) Co-branding
44. The rate at which customers defect or stop the usage of products of a company:
- (A) Price defection
 - (B) Customer defection
 - (C) Market defection
 - (D) Product defection
45. The marketing messages committed to customers wishes is a part of:
- (A) Permission marketing
 - (B) Activity marketing
 - (C) Supplier marketing
 - (D) Customer marketing
46. If a firm is practicing _____, the firm is training and effectively, motivating its customer contact employees and all of the supporting service people to work as a team to provide customer satisfaction.
- (A) Cross marketing
 - (B) Up marketing
 - (C) Interactive marketing
 - (D) Internal marketing

47. All of the following are ways that marketing plays a key role in the company's strategic planning EXCEPT:
- (A) Marketing provides a guiding philosophy
 - (B) Marketing provides inputs to strategic planners by helping to identify attractive market opportunities
 - (C) Marketing is the only discipline that can provide a formal structure for the planning effort
 - (D) Within individual business units, marketing designs strategies for reaching the unit's objectives
48. A method of rating performance in which the rater chooses from statements that appear equally favourable or equally unfavourable is known as the:
- (A) Forced - distribution method
 - (B) Graphic rating scales
 - (C) BARS
 - (D) Forced - choice method
49. Collapsing many salary grades into a few wide salary bands is known as:
- (A) Red circling
 - (B) Broadbanding
 - (C) Pay ranging
 - (D) Factor comparison
50. When employees receive a higher rate of pay for all of their work if production exceeds a standard level of output, they are working under which incentive plan?
- (A) Differential piece rate
 - (B) Standard piece rate
 - (C) Exception bonus rate
 - (D) Individual rate pay
51. Stakeholder theory was given by
- (A) Archie Carroll
 - (B) Michael Hopkins
 - (C) Milton Friedman
 - (D) Edward Freeman

52. Jaya is valued by her colleagues for her ability to perform effective break-even analysis on upcoming ventures. In this case, her colleagues value her for competencies that fall within which essential management skills categories?
- (A) Technical
 - (B) Communication
 - (C) Human
 - (D) Conceptual
53. A measure of how organizations are becoming more heterogeneous in terms of gender, race, and ethnicity is _____:
- (A) Workforce diversity
 - (B) Affirmative action
 - (C) Organizational culture
 - (D) Operational homogeneity
54. The first country to authorize the Pfizer-BioNtech COVID-19 vaccine to fight pandemic?
- (A) USA
 - (B) European Union
 - (C) India
 - (D) UK
55. NFHS survey of India stands for
- (A) National Full Health Status
 - (B) National Family Health Survey
 - (C) National Family Health Status
 - (D) National Family Health Scheme
56. The e-sanjeevani OPD, which is a telemedicine services platform operationalized by:
- (A) C-DAC
 - (B) IIPS-Ministry of Health and Family Welfare
 - (C) CSIR-National Institute of virology
 - (D) IIT Madras
57. The mostly appropriate globally accepted indicator of Health status of a country:
- (A) Overall death rate
 - (B) Case fatality rate
 - (C) Infant mortality rate
 - (D) Maternal mortality rate

58. The World Health Day is celebrated globally on for improvement of health _____:
- (A) 31st September
 - (B) 7th April
 - (C) 10th November
 - (D) 10th December
59. If by mistake your result shows that you cleared the entrance exam, it is an example of:
- (A) Type-I error
 - (B) Type-II error
 - (C) Unbiased decision
 - (D) Difficult to tell
60. The mean difference between 16 paired observations is 25 and the standard deviation of differences is 10. The value of statistic-t is:
- (A) 4
 - (B) 10
 - (C) 16
 - (D) 2
61. Correlation coefficient value is:
- (A) Between 0 and 1
 - (B) Between -infinity to +infinity
 - (C) Always equal to 1
 - (D) Between +1 to -1
62. Multi collinearity is
- (A) A high degree of correlation among the set of independent variables
 - (B) A high degree of correlation among the dependant and independent variables
 - (C) A low degree of correlation among the set of dependent variables
 - (D) A low degree of correlation among the set of independent variables
63. In regression analysis, the variable that is being predicted is the:
- (A) Response or dependent variable
 - (B) Independent variable
 - (C) Intervening variable
 - (D) Is usually X

64. Larger values of R-square imply that the observations are more closely grouped about the:
- (A) Average value of the independent variables
 - (B) Average value of the dependent variable
 - (C) Least squares line
 - (D) Origin
65. If Indo-Bharathi Enterprises Limited repurchased 50 percent of its outstanding equity shares from the open (secondary) market, the result would be:
- (A) A decline in EPS
 - (B) An increase in cash
 - (C) A decrease in total assets
 - (D) An increase in the number of stockholders
66. The weighted average cost of capital for a firm is the:
- (A) Rate of return a firm must earn on its existing assets to maintain the current value of its stock
 - (B) Required rate which every project's internal rate of return must not exceed
 - (C) Coupon rate the firm should expect to pay on its next bond issue
 - (D) Maximum rate which the firm should require on any projects it undertakes
67. $(1 + i)^n$ is:
- (A) PVIF
 - (B) FVIF
 - (C) PVIFA
 - (D) FVIFA
68. A risk less stock index arbitrage profit is possible if the following condition holds:
- (A) $F_{0,T} = S_0 (1 + R_f - D)^T$
 - (B) $F_{0,T} > S_0 (1 + R_f - D)^T$
 - (C) $F_{0,T} < S_0 (1 + R_f - D)^T$
 - (D) A and b only

69. Assume that you manage a Rs. 50 crore equity portfolio. The portfolio beta is 0.85. You anticipate a cash inflow of Rs. 5 crore into the portfolio. Calculate the number of contracts you would need to hedge your position and indicate whether you would go short or long. Assume that the price of the S&P NIFTY futures contract is 1062 and the multiplier is 250.
- (A) 25 contracts short
 - (B) 18 contracts short
 - (C) 16 contracts long
 - (D) 19 contracts short
70. If you were to purchase an October option with an exercise price of 50 for Rs.8 and simultaneously sell an October Option with an exercise price of Rs. 60 for Rs.12, you would be:
- (A) Bullish and taking a high risk
 - (B) Bullish and conservative
 - (C) Bearish and taking a high risk
 - (D) Bearish and conservative

University of Hyderabad
Entrance Examinations - 2021

School/Department/Centre :
Course/Subject :

Management Studies

Ph.D. *Management Studies*

Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer
1	B	26	B	51	D	76	
2	D	27	B	52	A	77	
3	B	28	C	53	A	78	
4	C	29	B	54	D	79	
5	A	30	C	55	B	80	
6	A	31	C	56	A	81	
7	D	32	B	57	C	82	
8	D	33	D	58	B	83	
9	A	34	D	59	B	84	
10	A	35	B	60	B	85	
11	C	36	C	61	D	86	
12	B	37	C	62	A	87	
13	C	38	B	63	A	88	
14	C	39	B	64	C	89	
15	C	40	D	65	C	90	
16	C	41	B	66	A	91	
17	D	42	A	67	B	92	
18	B	43	D	68	D	93	
19	A	44	B	69	C	94	
20	C	45	A	70	D	95	
21	D	46	D	71		96	
22	C	47	C	72		97	
23	C	48	D	73		98	
24	A	49	B	74		99	
25	B	50	A	75		100	

Note/Remarks :

Signature of the Head/Dean
School/Department/Centre